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This SSI reviewed by Undine 6-7-88 Undine's Recommendation is to approve the SSI

DRAFT

SITE SCREENING INSPECTION REPORT SOUTHEAST TERMINAL GAD981469281

Charles P. Evans \mathcal{CPL} Georgia Environmental Protection Division

December 1987

Reviewed by: Kandulph Al Miller Date: 14/30/87

TABLE OF CONTENTS

SOUTHEAST TERMINAL SCREENING SITE INSPECTION REPORT

1.0	Executive Summary	P1
2.0	Environmental Setting	P1
3.0	Target Populations	P2
4.0	Waste Types and Quantities	P2
5.0	Laboratory Data	P2
6.0	Toxicology and Chemical Charestics	P2
	Appendix A - Maps and Photographs	
	Appendix B - Laboratory Data	B-1
	Appendix C - Supporting Documents	C-1
	Appendix D - References	D-1
	Appendix E - SI Form 2070-13, Site Inspection Report	E-1
	Appendix F - Preliminary HRS Package (Draft)	F-1

1.0 EXECUTATIVE SUMMARY

Southeast Terminal is located at 5800 St. Elmo Ave., Flintstone, Georgia on the Georgia - Tennessee border. Although physically located in Georgia the site has a Tennessee mailing address. Wastes handeled at the facility include a sludge from the tank cleaning operation and water that accumulates in the bottom of the product storage tanks. Constituents of this waste found in slmples collected at the site include lead, ethyl benzene, and xylene. Resources that may be affected from waste migration from the site are ground water and surface water. Only Ground water has shown to be affected from waste at the site. Nineteen people use ground water as their source of drinking water within three miles of the site. No known regulatory violations have occurred at the facility. The facility is classified as a generator of hazardous waste. A recconnaissance of the facility rvealed that rain water and waste water from the product storage tanks is discharged to a wooded area south east of the site. There is limited use of ground water as a source of drinking water within three miles of the facility. The hearest well is located 1.38 miles south of the facility. I collected six environmental samples on November 5, 1987 in order to characterize migration of the waste from the site.

2.0 ENVIRONMENTAL SETTING

The site is located in the Ridge and Vally physiographic province of Georgia (1)in the Chattanooga vally the terrain slopes gently to the north, south and east but rises sharply to the top of Lookout Mountain to the west(2). The Chattanooga Vally is drained by the Chattanooga Creek which lies 1500 feet to the west of the site. There are no water intakes along the Chattanooga Creek and within three miles of the site. However some fishing occurs on this creek.

The site is underlain by the Mississippian Rocks
Undifferentated. These rocks are composed of Pennington Shale,
Bangor Limestone, Hartsell Sandstone, Golonda Formation, Gasper
Limestone, Ste. Geneve Limestone, and St. louis Limestone(4).
The underlying formation is covered by a clayey sand(5)
Ground water occupies pore spaces in the residuum and joints
and fractures in the rocks underlying the site. The water table
is less than twenty feet below the ground's surface at the
site(6). Because of the folding and fracturing of the different
rock groups within three miles of the site all formations are
considered to be hydologicly connected.

The total annual rainfall in the area is 52 inches / year. The mean annual lake evaporation is 37 inches / year. The net rainfall is therefore 15 inches / year(7).

Land to the north of the site is urbanized. The most common use

is residential. The area to the south is densely developed. The major use is farms and residential. the heavest population density is to the north in Hamilton County Tennessee. The area to the south is rural.

Most homes within three miles of the site use municipal water from the Walker County water system or the Tennessee - American Water System in Chattanooga Tennessee. Five households within three miles of the site use ground water as their source of drinking water(6).

There are no critical environments of an endangered species within three miles of the site(8).

3.0 TARGETS POPULATION

Ground water and surface water are the major pathways of concern. Five homes within three miles of the site use ground water as their source of drinking water. The population served by ground water is thus nineteen people. There are no water intakes within three miles and downstream of the hazardous substances detected on-site, there is some fishing activity in this area.

4.0 WASTE TYPES AND QUANTITIES

Contaminates detected at the site include lead, ethyl benzene, and xylene. the quantity of waste at the site is unknown(9).

5.0 LABORATORY DATA

I collected six environmental samples from the area around the site. Lead was present in signifiant quantities (X 10) above background in soil from the Union Oil and Standard Oil product storage areas and in the composit soil sample collected from the drainage areas south east of the facility(9).

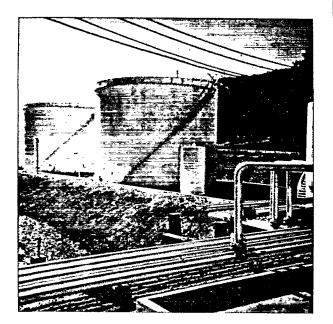
6.0 TOXICOLOGY/CHEMICAL CHARACTERISTICS

Ethyl benzene - oral-rat, LD50 - 3500 mg/kg, an irritant to skin and mucous membrane, tolerance (air) - 100 ppm.

Lead - oral-rat, lowest toxic dose reported - 790 mg/kg, an indefinite carcinogen, tolerance (air) - 0.15 mg/m3.

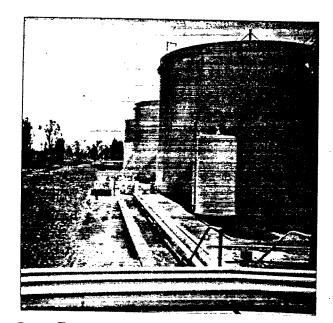
Xylene - oral-rat, lowest toxic dose reported - 4300 mg/kg, a human eye irritant, tolerance: (air) - 100 ppm.

APPENDIX A



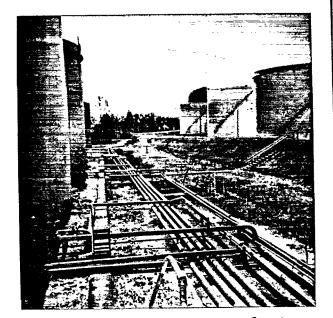
UNION OIL TANK AREA

County Name
Picture No of6
Site Name SOUTHEAST TERMINAL
Date 11/5/87 Weather CLEAR
Direction Facing South WEST
Photographer EVANS
Program SITE INVESTIGATION
Explanation UNION OIL
TANK AREA
Other



GULF OIL TANK AREA UNION

County Name WALKER
Picture No. 2 of 6
Site Name SOUTHEAST TERMINAL
Date 11/5/87 Weather CLEAR
Direction Facing Sout 14
Photographer <u>EVANS</u>
Program SITE INVESTIGATION
Explanation UNION OIL
TANK AREA
Other



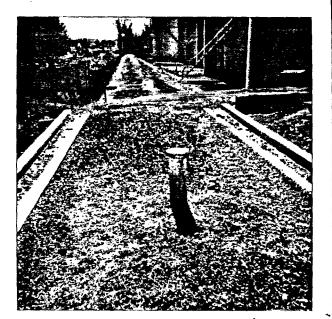
GULF OIL TANK AREA

County Name WALKER
Picture No. 3 of 6
Site Name SOUTHEAST TERMINAL
Date 11/5/87 Weather CLBAR
Direction Facing South
Photographer_ EVANS
Program SITE INVESTICATION
Explanation GULF (STANHARD
OIL) TANK AREA ON
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Other
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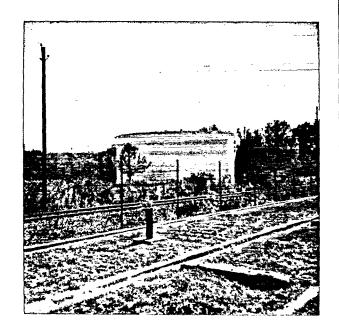
GULF OIL TANK AREA + WELL LM-7

County Name WALKER
Picture No. 4 of 6
Site Name SouTHEAST TERMINAL
Date 11/5/87 Weather CLEAR
Direction Facing SouTH
Photographer_ EVANS
Program SITE INVESTIGATION
Explanation GULF (STANDARD
OIL) TANK STOKAGE
AREA.
Other



MONITORING - WELL # 7

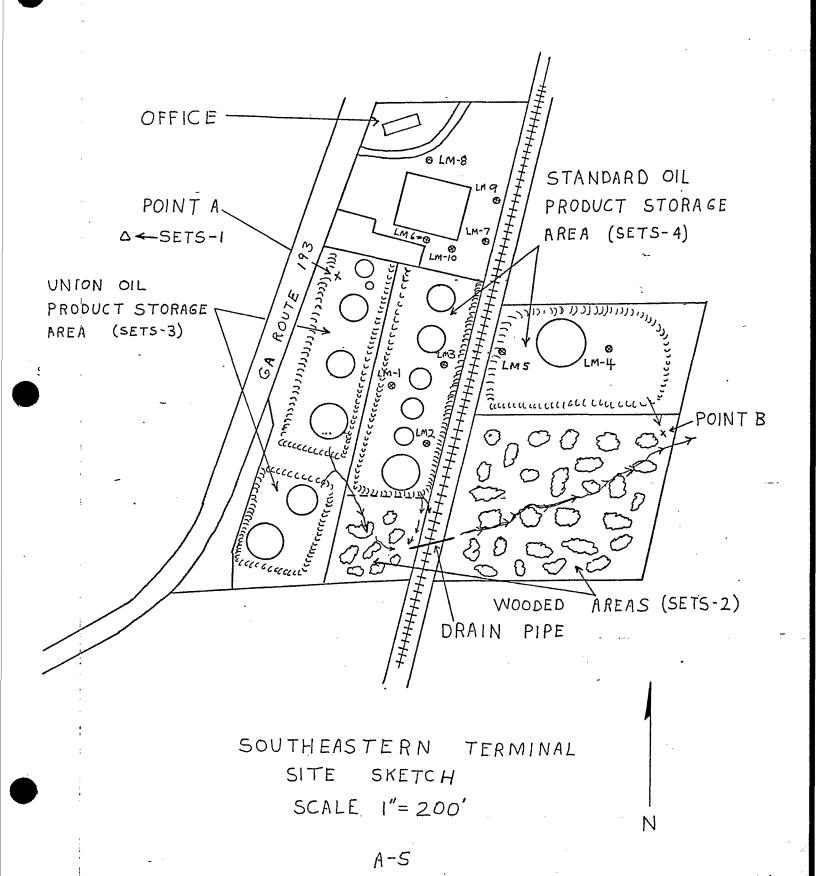
County Name_WALKER
Picture No. 5 of 6
Site Name SOUTHEAST TERMINAL
Date 11/5/87 Weather CLEAR
Direction Facing Sou714
Photographer EVANS
Program SITE INVESTIGATION
Explanation MONITOKING
WELL LM-7.
Other



GULF OIL LEADED GAS

County Name WALKER
Picture No. 6 of 6
Site Name SOUTH EAST TERMINAL
Date 11/5/87 Weather CLEAR
Direction Facing
Photographer EVANS
Program SITE INVESTIGATION
Explanation GULF (STANDARA
OIL) LEADED GASOLINE
STORAGE TANK.
Other





APPENDIX B

GEORGIA ENVIRONMENTAL PROTECTION DIVISION LABORATORY REPORT

656 -7404

			 			
TE: 11/5/87	PROJECT: SOUT	h EAST	TERMINAL	OUE	CTOR: C.	EVNNS
	en roc in.	2903	2904			l .
DATE REC'D 11-6-87	IAEEL	SETW-I	SETW-Z			
TIME PLANT						
REC'D O		OFF-SITE	ON-SITE			
BY: Daled		GROUND-	GROUND			
DEL BY: Crans		WATER	WATER	·		
g Bacold I IABORATORY MANA	arpord					
DATE: 12 14-87 PARANTERS					\$ 7	
	LAB NO.	Hw 2903	HW 2-904.			
Total Ag	49/2	0(>	<10			
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n Cd	1/	V 10	195	<u> </u>	<u> </u>	
n Cd n Cr))	410	×10.			
" Pb		230	<30		 	
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GEORGIA ENVIRONMENTAL PROTECTION DIVISION LABORATORY REPORT

656-7404

E 11/5/87					CTOR: C , L	- 77.17
	HW LOG NO.	2905	2906	2907	2908 1	
D 11-6-87 D 1400 D Dheed Evens D Dacold Ja LABORATORY MANAGE	LAREL DARK	SETS- OFF-SITE SOIL SAMPLE	SETS-2 DRIANAGE AREN SOIL SAMPLE	SETS-3 SOIL COMPOSITE UNION OIL TANK AREA	SETS-4 SOIL	•
:: 12~14~8} WEIRS % Solids	LAB NO.	Hw2905 92.4	HW3906.	₩2907 92.5		
Total Ag "As" "As" "I Ra "I Cd "I Cr "I Pb "I Se	mg/Kg 11 11 11 11	21 9.3 53 21 29 6.3 45	24 315 415 21 71 45	21 19 120 21 27 245 45	2 ₁ 17 76 21 47 1300 25	
EP A9 11 A5 11 Ba 11 Cd 11 Cr 11 Pb 11 Se	119/L 11 11 11 11			420 460 1310 420 420 420 400	<pre></pre>	
VOA		∠5+₽ »	attachos		1	
Aws:						

DATE 12-11-87 GEORGIA ENVIRONMENTAL PROTECTION DIVISION PROJECT: Southwest Terminal PURGEABLE ORGANIC ANALYSIS-WATER SOURCE:

DATA REPORTING SHEET

Off- bute Froundwater

W-1

SAMPLE TYPE: Water SAMPLE NO.: Hw 2563

SAMPLE REC'D (date & time): SAMPLE START (date & time): SAMPLE STOP (date & time): CHEMIST: NB COMPLETE:

Compound Storet# Units Compound Storet# Units 34423 <5 Methylene Chloride $\mu q/1$ Acetone 210 $\mu g/1$ Trichlorofluoromethane 34488 < 1Methyl Ethyl Ketone $\mu g/1$ 410 $\mu g/1$ 1,1-Dichloroethylene 34501 $\mu g/1$ Carbon Disulfide < 1 $\mu q/1$ 34496 1,1-Dichloroethane $\mu g/1$ $\mu q/1$ 1.2-Trans-Dichloro-Isopropyl Acetate 34546 ethylene $\mu g/1$ 2-Hexanone $\mu g/1$ Chloroform 32106 $\mu q/1$ Methyl Isobutyl Ketone $\mu g/1$ $\mu g/1$ 1,2-Dichloroethane 32103 Styrene $\mu g/1$ 1,1,1-Trichloroethane 34506 $\mu g/1$ O-Xylene $\mu q/1$ Carbon Tetrachloride 32102 $\mu q/1$ P-Xylene $\mu g/1$ Dichlorobromomethane 32101 $\mu g/1$ M-Xvlene $\mu g/1$ 1,2-Dichloropropane Ethvl Acetate 34541 μg/1 μg/1 Trans-1,3-Dichloron-Propyl Acetate $\mu g/1$ 34699 $\mu g/1$ Butyl Acetate propene $\mu g/1$ Trichloroethylene 34210<50 39180 Acrolein $\mu q/1$ µq/1 Benzene 34215450 ω 34030 Acrylonitrile $\mu q/1$ $\mu g/1$ Chlorodibromomethane Chloromethane 34306 34418 ---дg/1 $\mu q/1$ 1,1,2-Trichloroethane 34511 $\mu g/1$ Bromomethane 34413 $\mu q/1$ Cis-1,3-Dichloropropene 34704 $\mu q/1$ Vinyl Chloride. 39175 $\mu g/1$ Chloroethane 2-Chloroethyl Vinyl 34311 $\mu g/1$ 34576 Ether $\mu q/1$ Bromoform 32104 $\mu g/1$ µg/1 1,1,2,2-Tetrachloro- $\mu g/1$ 34516 ethane $\mu q/1$ $\mu g/1$ Tetrachloroethylene 34475 μg/1 $\mu g/1$ Toluene 34010 $\mu g/1$ $\mu g/1$ Chlorobenzene 34301 $\mu g/1$ $\mu g/1$ Ethylbenzene 34371 $\mu g/1$ $\mu g/1$

U - ANALYZED FOR BUT NOT DETECTED (value reported is detection limit - D.L.)

M - NOT ANALYZED

No other purgeable organic compound detected with an estimated minimum detection limit of

SOURCE: On-Site		SAMPLE REC'D (date & time): SAMPLE START (date & time): SAMPLE STOP (date & time):
Froundwater W-2	the laborate and laborate about a second and	CHEMIST: COMPLETE:

	•			•		
	Compound	Storet#	Units	Compound	Storet#	Units
	Methylene Chloride Trichlorofluoromethane	34423 <u>< 20</u> 0 34488 <u>< 50</u>	μg/l μg/l	Acetone Methyl Ethyl Ketone	4500	μg/l
	1,1-Dichloroethylene	34501	µg/1	Carbon Disulfide	<u> </u>	μg/1
	1,1-Dichloroethane	34496	дg/1 µg/1	Vinyl Chloride	< 50	μg/l
	1,2-Trans-Dichloro-	J,	~g/ ±	Isopropyl Acetate		µg/1
	ethylene	34546	μg/1	2-Hexanone)	µg/l
	Chloroform	32106	µg/l	Methyl Isobutyl Ketone		µg/1
	1,2-Dichloroethane	32103	ug/l	Styrene		µg/l
	1,1,1-Trichloroethane	34506	дg/1	O-Xylene ,		$\mu g/1$
	Carbon Tetrachloride	32102	µg/l	P-Xylene 7011	253	μg/1
	Dichlorobromomethane	32101	ug/l	M-Xylene		μg/1
	1,2-Dichloropropane	34541	дg/1	Ethyl Acetate	<570	$\mu g/1$
	Trans-1,3-Dichloro-			n-Propyl Acetate		$\mu g/1$
	propene	34699	μg/ <u>l</u>	Butyl Acetate		$\mu g/1$
Œ	Trichloroethylene	39180	µg/l	Acrolein	34210 < 2000	μg/l
1	Benzene	34030	ug/l	Acrylonitrile	34215 < 2000	дg/1
t	Chlorodibromomethane	34306	µg/l	Chloromethane	34418	μg/l
	1,1,2-Trichloroethane	34511	µg/1	Bromomethane	34413	μg/l
	Cis-1,3-Dichloropropene	34704	дg/1	Vinyl Chloride,	39175	μg/l
	2-Chloroethyl Vinyl Ether	34576		Chloroethane	34311	μg/l
	Bromoform	32104	, ,,,,/1			дg/1
	1,1,2,2-Tetrachloro-	32104	µg/1			μg/l
	ethane	34516	µg/l			/lg/1
	Tetrachloroethylene	34475	дg/1 µg/l			μg/1
	Toluene	34010	дg/1 µg/1	·		дg/l
	Chlorobenzene	34301	дg/1 µg/1			μg/l
	Ethylbenzene	34371 <u>(e+1)</u>	дg/1 µg/1			дg/l дg/l
	nerry andreadire	U-71	<i>~</i> ∃/ -			mg/ I

U - ANALYZED FOR BUT NOT DETECTED (value reported is detection limit - D.L.)

M - NOT ANALYZED

No other purgeable organic compound detected with an estimated minimum detection limit of

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DATE: 12-14-87 GEORGIA ENVIRONMENTAL PROTECTION DIVISION PROJECT: Suttenst Termital PURGEABLE ORGANIC ANALYSIS-SEDIMENT SOURCE: Off-Site DATA REPORTING SHEET Soil SAMPle

SAMPLE	TYPE:	50.00
SAMPT.E	MO •	W. 1 254 mm

SAMPLE REC'D (date & time): SAMPLE START (date & time): SAMPLE STOP (date & time):

CHEMIST: MR COMPLETED:

Compound	Storet#	Units	Compound	Storet#	Units
Methylene Chloride		µg/Kg	Acetone	< 10	μg/Kg
Trichlorofluoromethane	34491 (µg/Kg	Methy Ehtyl Ketone	<10	ug/Kg
<pre>1,1-Dichloroethylene</pre>	34504	_µg/Kg	Carbon Disulfide	< /	_ug/Kg
<pre>1,1-Dichloroethane</pre>	34499	ug/Kg			_µg/Kg
1,2-Trans-Dichloro-			Isopropy1 Acetate		_ug/Kg
ethylene		_μg/Kg	2-Hexanone		_µg/Kg
Chloroform	34318	µg/Kg	Methyl Isobutyl Ketone		ug/Kg
1,2-Dichloroethane	34534	Jug/Kg	Styrene		дg/Kg
1,1,1-Trichloroethane	34509	ug/Kg	O-Xylene		_дg/Kg
Carbon Tetrachloride	34299	µg/Kg	P- X ylene		_µg/Kg
Dichlorobromomethane	34330	µg/Kg	M-Xylene		дg/Kg
1,2-Dichloropropane	34544	дg/Kg	Ethyl Acetate		дg/Kg
Trans-1,3-Dichloro-		·	N-Propyl Acetate		ug/Kg
propene		ug/Kg	Butyl Acetate	V	μg/Kg
Trichloroethylene	34487	дg/Kg	Acrolein	34213<50	ug/Kg
Benzene	34237	µg/Kg	Acrylonitrile	34218 < 50	_ µg/Kg
Chlorodibromomethane	34309	μg/Kg	Chloromethane	34421 </td <td>/ug/Kg</td>	/ug/Kg
1,1,2-Trichloroethane	34514	ug/Kg	Bromomethane	34416	_иg/Kg
Cis-1,3-Dichloropropene	34702	дg/Kg	Vinyl Chloride	34495	µg/Kg
2-Chloroethyl Vinyl		. ,	Chloroethane	34314 <u>V</u>	µg/Kg
Ether	34579	μg/Kg	•	····	дg/Kg
Bromoform	34290	µg/Kg			µg/Kg
1,1,2,2-Tetrachloro-		.			μg/Kg
		дg/Kg			µg/Kg
Tetrachloroethylene	34478	дg/Kg			дg/Kg
Toluene	34483	µg/Kg			дg/Kg
Chlorobenzene	34304	дg/Kg			µg/Kg
Ethylbenzene	34374	дg/Kg			дg/Kg

U - ANALYZED FOR BUT NOT DETECTED (value reported is detection limit - D.L.)

No other purgeable organic compound detected with an estimated minimum detection limit of

M - NOT ANALYZED

Aves Sil SANDLE

GEORGIA ENVIRONMENTAL PROT

PURGEABLE ORGANIC ANALYSIS-SEDIMENT SOURCE: SETS-2 Drainese

DATA REPORTING SHEET

SAMPLE TYPE: 50. SAMPLE NO.: Hw 2506 SAMPLE REC'D (date & time SAMPLE START (date & time): SAMPLE STOP (date & time):

CHEMIST: MR COMPLETED: ON

<u>Compound</u>	Storet#	<u>Units</u>	Compound	Storet#	Units
Methylene Chloride Trichlorofluoromethane 1,1-Dichloroethylene 1,1-Dichloroethane 1,2-Trans-Dichloro- ethylene Chloroform 1,2-Dichloroethane 1,1,1-Trichloroethane Carbon Tetrachloride Dichlorobromomethane 1,2-Dichloropropane Trans-1,3-Dichloro- propene Trichloroethylene Benzene Chlorodibromomethane 1,1,2-Trichloroethane Cis-1,3-Dichloropropene	34426 < 5 34491 < 1 34504 34499 34549 34318 34534 34509 34299 34330 34544	Units µg/Kg	Acetone Methy Ehtyl Ketone Carbon Disu fide Isopropyl Acetate 2-Hexanone Methyl Isobutyl Ketone Styrene O-Xylene P-Xylene M-Xylene Ethyl Acetate N-Propyl Acetate Butyl Acetate Butyl Acetate Acrolein Acrylonitrile Chloromethane Bromomethane Vinyl Chloride	34213 < 57 34213 < 57 34218 < 57 34416 < 34495	дд/Кд дд/Кд дд/Кд дд/Кд дд/Кд дд/Кд дд/Кд дд/Кд дд/Кд дд/Кд дд/Кд дд/Кд дд/Кд дд/Кд
1,1,2-Trichloroethane Cis-1,3-Dichloropropene	34514	µg/Kg	Bromomethane Vinyl Chloride	34416	дg/Kg дg/Kg
2-Chloroethyl Vinyl Ether Bromoform 1,1,2,2-Tetrachloro-	34579 34290	дg/Kg дg/Kg	Chloroethane		дg/Kg дg/Kg дg/Kg дg/Kg
ethane Tetrachloroethylene Toluene Chlorobenzene Ethylbenzene	34478 34483 34304 34374	дg/Kg дg/Kg дg/Kg дg/Kg дg/Kg			дд/Кд дд/Кд дд/Кд дд/Кд дд/Кд

U - ANALYZED FOR BUT NOT DETECTED (value reported is detection limit - D.L.)

No other purgeable organic compound detected with an estimated minimum detection limit of

M - NOT ANALYZED

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DATE: /2-//-٢7

GEORGIA ENVIRONMENTAL PROTECTION DIVISION

PROJECT: Suffice Ternical PURGEABLE ORGANIC ANALYSIS-SEDIMENT

SOURCE: Sail Composite DATA REPORTING SHEET

Union Oil Tank area

SAMPLE TYPE: Soil
SAMPLE NO.: HU 2907

SAMPLE REC'D (date & time):
SAMPLE START (date & time):
SAMPLE STOP (date & time):

CHEMIST: MB COMPLETED: Dr

Compound	Storet#	Units	Compound	Storet#	Units
Compound Methylene Chloride Trichlorofluoromethane 1,1-Dichloroethylene 1,1-Dichloroethane 1,2-Trans-Dichloro- ethylene Chloroform 1,2-Dichloroethane 1,1,1-Trichloroethane Carbon Tetrachloride Dichlorobromomethane 1,2-Dichloropropane Trans-1,3-Dichloro- propene Trichloroethylene	34426 <5 34491 <1 34504 34499 34549 34549 34534 34509 34299 34330 34544	Units µg/Kg	Compound Acetone Methy Ehtyl Ketone Carbon Disulfide Isopropyl Acetate 2-Hexanone Methyl Isobutyl Ketone Styrene O-Xylene P-Xylene M-Xylene Ethyl Acetate N-Propyl Acetate Butyl Acetate Acrolein	Storet# 0 </0 </0 </1 34213 <50</td <td>лд/Кд лд/Кд лд/Кд лд/Кд лд/Кд лд/Кд лд/Кд лд/Кд лд/Кд лд/Кд лд/Кд лд/Кд лд/Кд</td>	лд/Кд лд/Кд лд/Кд лд/Кд лд/Кд лд/Кд лд/Кд лд/Кд лд/Кд лд/Кд лд/Кд лд/Кд лд/Кд
Benzene Chlorodibromomethane 1,1,2-Trichloroethane	34237 34309 34514	дg/Kg дg/Kg дg/Kg	Acrylonitrile Chloromethane Bromomethane	34218 <u>~5-0</u> 34421 <u>~10</u> 34416 <u>1</u>	ng/Kg ng/Kg
Cis-1,3-Dichloropropene 2-Chloroethyl Vinyl Ether Bromoform	34702 34579 34290	дg/Kg дg/Kg дg/Kg	Vinyl Chloride Chloroethane	34495	ng/Kg ng/Kg ng/Kg
1,1,2,2-Tetrachloro- ethane Tetrachloroethylene Toluene Chlorobenzene Ethylbenzene	44519 34478 34483 34304 34374	дg/Kg дg/Kg дg/Kg дg/Kg дg/Kg			ид/Кд ид/Кд ид/Кд ид/Кд

U - ANALYZED FOR BUT NOT DETECTED (value reported is detection limit - D.L.)

No other purgeable organic compound detected with an estimated minimum detection limit of _____

M - NOT ANALYZED

DATE: 12-11-87

GEORGIA ENVIRONMENTAL PROTECTION DIVISION

PURGEABLE ORGANIC ANALYSIS-SEDIMENT

PROJECT: Southeast Termine! SOURCE: Soil Composite

DATA REPORTING SHEET

Gulf Oil Tent area

SAMPLE TYPE: Soff SAMPLE REC'D (date & time): SAMPLE START (date & time): SAMPLE STOP (date & time):

µg/Kg

CHEMIST: MB COMPLETED:

SAMPLE NO .: Hw 2508 Storet# Compound Compound Units Storet# Units Methylene Chloride µq/Kq 34426 45 Acetone </uq/Kq µg/Kq Trichlorofluoromethane 34491 < Methy Ehtvl Ketone 410 rug/Kg 34504 1,1-Dichloroethylene Carbon Disulfide ug/Kg 21 Md/Kd 34499 ug/Kg 1,1-Dichloroethane Chile ug/Kg 1,2-Trans-Dichloro-Isopropyl Acetate ug/Kg uq/Kq ethylene 34549 2-Hexanone µg/Kq Chloroform 34318 Methyl Isobutyl Ketone дg/Kg ug/Kg 1,2-Dichloroethane 34534 uq/Kq Styrene μg/Kg 1,1,1-Trichloroethane 34509 ug/Kg O-Xylene 1 дg/Kg Carbon Tetrachloride 34299 µq/Kq P-Xylene μg/Kg µg/Kg 34330 Dichlorobromomethane M-Xvlene uq/Kq 1,2-Dichloropropane 34544 Ethyl Acetate ug/Kg ug/Kg Trans-1, 3-Dichloro-N-Propvl Acetate ug/Kg propene 34697 uq/Kq Butyl Acetate uq/Kq Trichloroethylene 34487 µg/Kg Acrolein 34213 <50 дg/Kg 34218 <50 34237 μg/Kg Benzene Acrylonitrile µg/Kg 34421 </0 34309 Chlorodibromomethane μg/Kg Chloromethane /ug/Kg 1.1.2-Trichloroethane 34514 Bromomethane ug/Kg 34416 Md/Kd Vinyl Chloride Cis-1,3-Dichloropropene 34702 ug/Kg 34495 µg/Kg Chloroethane 2-Chloroethyl Vinyl 34314 ug/Kg Ether 34579 ug/Kg ug/Kg 34290 ug/Kg дg/Kq Bromoform 1,1,2,2-Tetrachloroμg/Kg ug/Kg ethane 44519 дg/Kg 34478 uq/Kq Tetrachloroethylene дg/Kg 34483 Toluene µg/Kg uq/Kq Chlorobenzene 34304 Md/Kd Md/Kd Ethylbenzene 34374 ug/Kg

U - ANALYZED FOR BUT NOT DETECTED (value reported is detection limit - D.L.)

No other purgeable organic compound detected with an estimated minimum detection limit of

M - NOT ANALYZED

Ø

APPENDIX C

RECORD OF TELEPHONIC CONVERSATION

 $_{\mbox{\tiny 27}}$ Site Investigation Program

Routing:		Date:	9/21/	/87		-
	····	Time:_	11:00	a	.m./ p.m .	
File: SOUTHERST TERMINAL, GA			ENVIR		-AL	
Party Spoken To: FRED C. mILLS		Title:	SUPERVI	50/		-
Agency/Company: UNION, OIL ComP.	ANY OF	CALIFOR	CNIA			
Address: 13 CORPORATE SQUARE	N. E. Cit	y: <u>A</u> -	TLANTA			
Telephone Number: (404) 321 - 76	00 Sta	te/Zip:	GA	3030	12	*****
Subject: WASTE HANGELING PRACT	ices		,			
Summary of Call: I DISG. DISCUSSEd	The PAST	7 WA	STe.	hA.N.de	LING	
PRACTICES OF SOUTHERST T	ERMINAL :	5800 s	T ELM	o Ave		
CHATTANOOGA TN. The FOLL	DUING INFO	ORMATIO	N WA	06	TAINE !	
1) PETROLEUM PRODUCTS AR	shipped	70	The	517e	VIA	
PIPELING AND DISTRIBUTED 67	TRUCK 7	0 07	her Lo	CATION	<i>ا</i> ک. ۔	
2 FUELS HANdeled AT The FA	CILITY IN	cLude	! Len	ded		`
GASOLINE						
3 The FACILITY HAS been	IN OPERA	TIM	SINCE	Abou.	7	×
1941. The STORAGE TANKS	ARC CLEAR	icd o	אא א	AS	peeded	
basis, About event 5-10	Years. 7	hi An	10UN7	OF U	inste	(over
Actions Required:						
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			•		,	
Signature:				. •		,
Follow-up Responses/Additional Comments	•		-			
				•		
				3		
	ť					-
Signature:		Date:				
SIP-2					• 9/8	36

- GENERATED FROM A TYPICAL CLEANING OPENATION RANGES FROM
 2,500 TO 3150 GALLONS.
- H MY. MILLS HAD NO KNOLEDGE of MNY PAST SPILLS
- SURFACE RUN-OFF FROM The LONDING PAD IS COLLECTED
 IN AN OIL-WATCH SEPARATOR, The LIGHT PETROLEUM
 FRACTION OF THE RUN-OFF IS PUMPED INTO AN UNDERGROUND
 STOKAGE TANK. The LIGHT OILS ON THE SURFACE of
 THIS TANK ARE NORMALLY TRANSFERED TO A TANK of
 REGULAR GASOLINE.
- (b) ACCORDING TO MA MILLS The FACILITY IS NOW CLASSIFIED AS A GONCHATON of HAZARDOUS WASTE.
- The FACILITY IS JOINTLY OWNED BY UNION OIL

 COMPANY of CALFORNIA AND BP OIL COMPANY. The

 SITE IS OPENATED BY UNION OIL COMPANY of CALFORNIA.

TRIP REPORT OCTOBER 20, 1987

SITE NAME AND LOCATION:

Southeast Terminal

EPA ID NUMBER:

GAD981469281

COUNTY:

WALKER

TRIP BY:

Charles P. Evans

Environmental Specialist Site Investigation Program

ACCOMPANIED BY:

None

DAY AND TIME OF INVESTIGATION:

October 14, 1987

8:00 a.m. - 2:00 p.m.

OFFICALS CONTACTED:

Ken Walton

Terminal Manager 5800 St. Elmo Ave.

Flintstone, Georgia 30275

(404)~448-0930

Walter Irwin

Public Health Sanitarian Walker County Health Dept.

1430 Suggs Street

Rossville, Georgia 30726 (404) 866-3122

REFERENCE:

Preliminary Assessment Southeast Terminal

October 8, 1987

COMMENTS:

I conducted a reconnaissance of the site on October 13, 1987 to identify potential sampling points at the facility. I obtained the following information:

- 1. The facility is managed by Union Oil Company of California. However, one section is owned by Standard (Gulf) Oil Company of Ohio and the remainder of the facility is owned by Union Oil Company of Calfornia.
- 2. Spillage and surface run-off water from the truck loading area is collected and sent to the facilities oil-water

separateor.

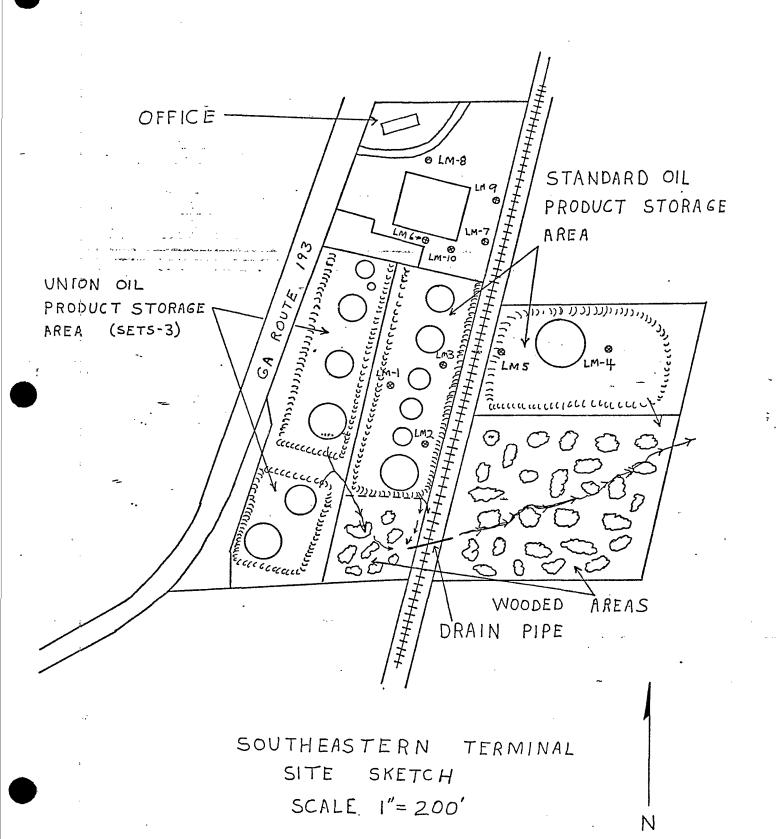
- 3. Berms surround the product storage area to control run-on water. Rain water falling iside the berms is discharged through valves or pumps to a low area southwest of the facility.
- 4. The product storage tanks at the facility are cleaned, at irregular intervals, of a sludge that accumulates in the tanks. Some loss of this sludge is expected to have occurred in the past.
- 5. Water accumulates inside the product storage tanks. Because of the difference in the density of water and petroleum the water settles to the bottom of the tanks. Routinely excess water is discharge to the surface, within the bermed area, through valves at the bottom of the tanks.
- 6. The water fraction from the oil-water separator is discharged to the surface in the bermed area of the Standard Oil Product Area.
- 7. There is no linner in the berm areas to pevent leaching into the ground water. Due to these two practices some waste is assumed to have been lost at the facility.
- 8. The product storage area is inside a locked fence. Access to the area is controled.
- 9. The monitoring wells have been installed on the facility to detect the presence of free product on the water table.
- I conducted a well survey in the area in order to characterize the use of ground water for drinking purposes. The following information was obtained:
- 10. Few homes within three miles of the site use ground water as a source of drinking water. Five homes that use ground water for their source of drinking water are located within three miles of the site.
- 11. The closest well to the site is located at the home of Mr. J. Polk Smartt, Rt. 1, Box 31, Flintstone, Georgia 30725. This well is a six inch drilled well 365 feet deep.
- 12. Mr. Smartt's well is located 1.38 miles south of the site.

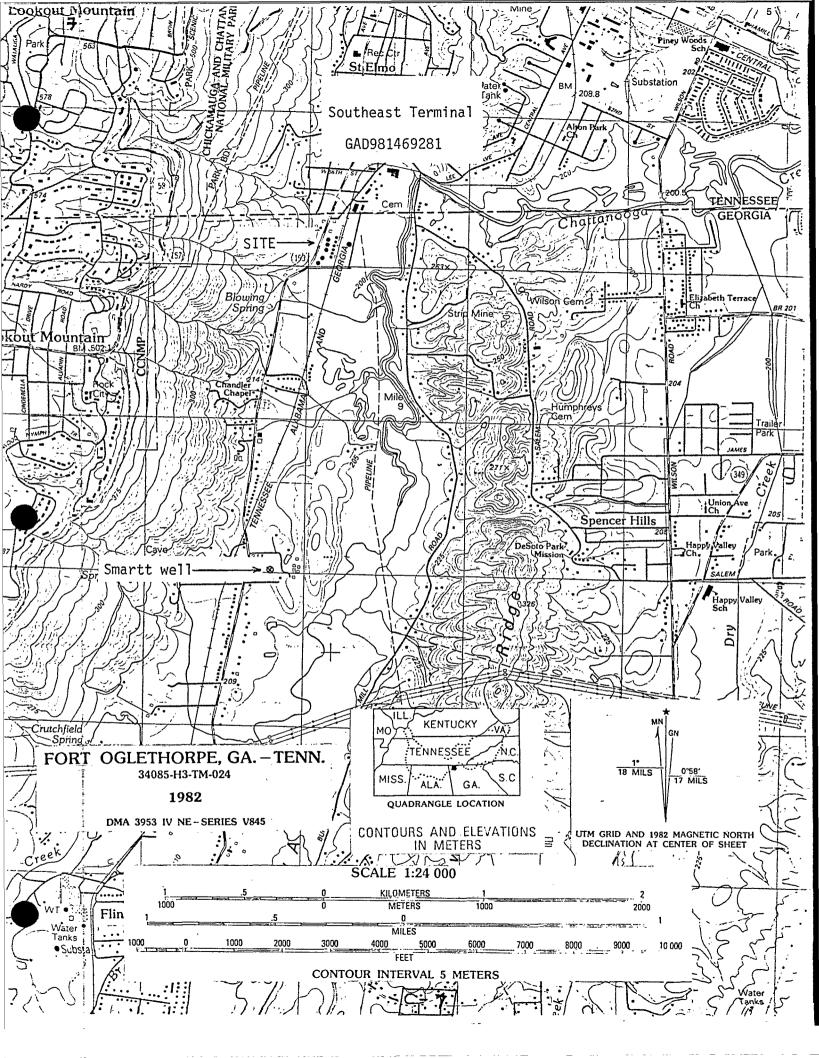
CONCLUSIONS:

Soil around the site may be contaminated with lead additives to the fuels stored there.

RECOMMENDATIONS AND P Proceed with sampling	
PHOTOGRAPHS: None	
NUMBER OF WASTE/ENVIF None	RONMENTAL SAMPLES TAKEN:
REVIEWED BY:	DATE:
ATTACHMENTS:	SITE LOCATION MAP SITE SKETCH
CPE/cpe	

CC: Southeast Terminal GAD981469281





Georgia Department of Natural Resources

205 Butler Street, S.E., Floyd Towers East, Atlanta, Georgia 30334

J. Leonard Ledbetter, Commissioner Harold F. Reheis, Assistant Director Environmental Protection Division

TRIP REPORT

--- November 12,1987

Site Name and Location:

Southeast Terminal 5800 St. Elmo Ave. Flintstone, GA 30725

EPA I.D. Number:

GAD981469281

County:

Walker

Trip By:

Charles P. Evans Environmental Specialist Site Inverstigation Program

Accompanied By:

John O. Costello Environmental Specialist Site Investigation Program

Date and Time of Investigation:

November 4, 1987 2:30 p.m. - 5:00 p.m.

November 5, 1987 8:30 a.m. - 2:30 p.m.

Officals Contacted:

Jim Bass
Manager, Safety and
Environmental Control
Southern Division
UNOCAL Corporation
13 Corporate Square N.E.
P.O. Box 4147
Atlanta, GA 30302
(404) 321-7600

R. E. Van Deusen Manager, Southern Terminal Southern Division UNOCAL Corporation 3805 Presidental Parkway Atlanta, GA 30340 (404) 451-9203

Ken Walton Southeast Terminal 5800 St. Elmo Ave. Flintstone, Ga 30725 (404) 820-0826

David Brown Southeast Terminal 5800 St. Elmo Ave. Flintstone, Ga 30725 (404) 820-0826

Reference:

Trip Report Southeast Terminal Flintstone, GA 30725 October 20, 1987

Comments:

I sampled the atmosphere in the monitoring wells on-site with an H-NU photoionizer to detect the presence of petroleum constituents in the ground water. I obtained the following results:

Well	Reading	
LM-1 LM-2 LM-3 LM-4 LM-5 LM-6 LM-7 LM-8 LM-9	26 1 8.5 0.5 28 140 280 1	bbm bbm bbm bbm bbm bbm bbm
LM-10	60	ppm

The readings were highest in well number seven LM-7. Well seven was then bailed dry to prepare it for sampling. This area is reported to be an old rail car loading area. All wells are six inches in diameter with a PVC casing.

Information on the water level was obtained from Terminal personnel. The following readings were obtained on 11/3/87:

Well	Depth to Water from Top of Casing (ft.)	Casing Height Above Land Surface (ft.)	Depth to Water from Ground Surface (ft.)
LM-1	7.5	4•45	3.05
LM-2	7.25	4.05	3.21
LM-3	7.08	4.13	2.95
LM-4	5•5	2.71	2.79
LM-5	9.58	4.3	5.28
LM-6	15.42	2.0	13.42
LM-7	16.25	1.58	14.67
LM-8	18.58	3.42	15.16
LM-9	18.57	2.54	15.63
LM-10	14.25	0.25	14.00

I collected the following environmental samples on 11/5/87.

	Sample Code	Location	Type of Sample
	SETS-1	500 feet west and upslope of the site	Background soil sample
	SETS-2.	Drainage area of the site	Composite soil
	SETS-3	Union Oil Co. product storage area	Composite soil
, ,	SETS-4	Standard Oil Co. product storage area	Composite soil
•	SETW-1	Off-Site well	Ground water
	SETW-2	On-Site monitoring well (LM-7)	Ground water

All soil samples were collected at the surface. The area around the product tank clean-outs and drains was sampled to reflect a worst case condition.

CONCLUSIONS:

Pending laboratory data.

RECOMMENDATIONS AND FOLLOW-UP REQUIRED: Complete HRS ranking of the site.

Photographs:

None

NUMBER OF WASTE/ENVIRONMENTAL SAMPLES TAKEN: Six

REVIEWED BY:

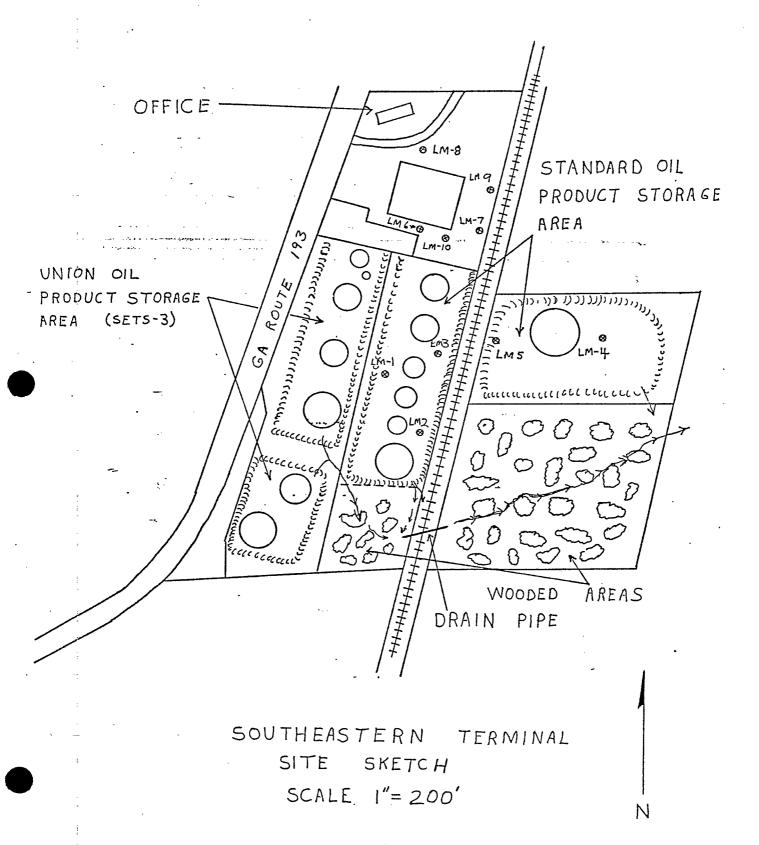
DATE:

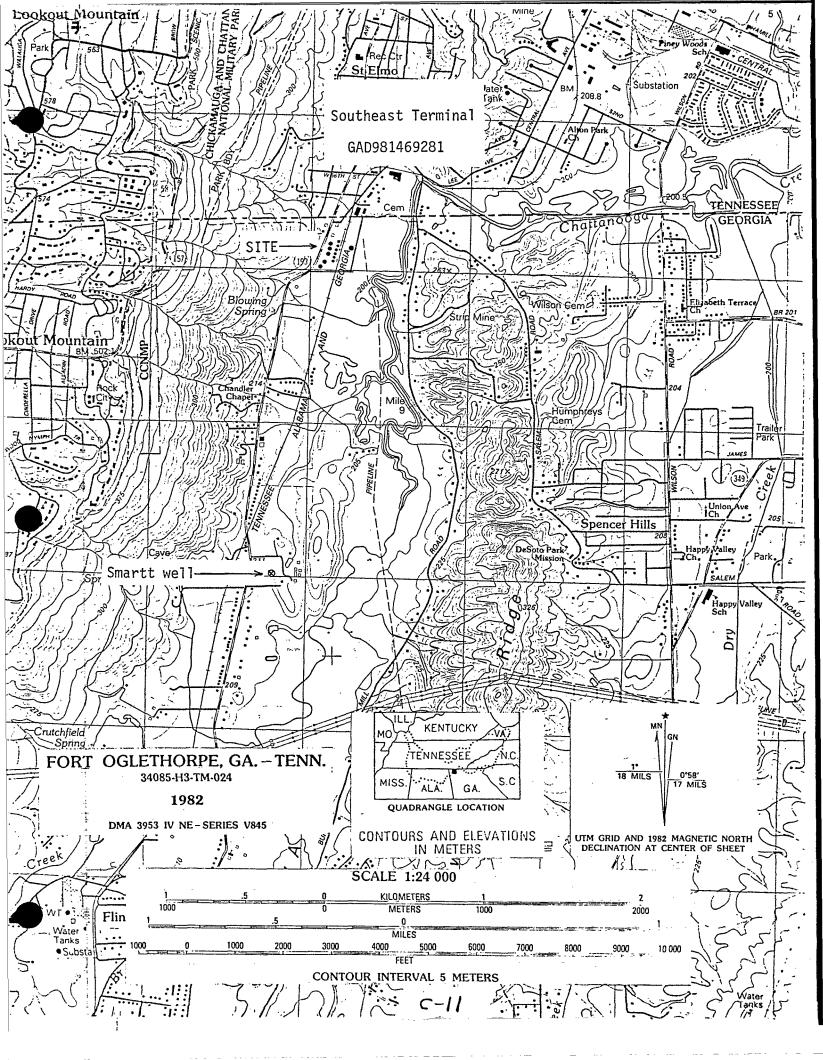
ATTACHMENTS:

SITE LOCATION MAP

CPE/cpe

cc:Southeast Terminal GAD981469281





APPENDIX D

REFERENCES

- 1. Clark, William Z., et al., Georgia Department of Natural Resources, Georgia Geologic Survey, Physiographic Map of Georgia, 1976.
- 2. United States Geological Survey, Fort Oglethorpe,

 Georgia.-Tennessee and Hooker, Georgia-Tennessee Quadrangles;

 Scale 1:24,000, 1982.
- 3. Primmer, Kim; Regional Supervisor, Georgia Department of Natural Resources, Game and Fish Division, Record of Telephonic Conversation with Charles P. Evans, Georgia Environmental Protection Division, April 17, 1987.
- 4. Cressler, Charles W., Geology and Ground-Water Resources of Walker County, Georgia, Environmental Protection Division, Georgia Geologic Survey, 1981.
- 5. Evans, Charles P.; Georgia Environmental Protection Division; Trip Report-Southeast Terminal, Flintstone, GA November 12, 1987.

- 6. Evans, Charles P.; Georgia Environmental Protection
 Division; Trip Report-Southeast Terminal, Flintstone, GA,
 October 20, 1987.
- 7. Unites States Department of Commerce, Rainfall Frequency
 Atlas of the United States, Technical Paper Number 40, United
 States Government Printing Office, Washington, D. C., 1979
- 8. United States Department of The Interior; Fish and Wildlife Service; Region Four Endangered Species Notebook; August 23, 1985.
- 9. Laboratory Report, Georgia Environmental Protection
 Division, Southeast Terminal, November 5, 1987.
- 10. Sax, N. I.; Dangerous Properties of Industrial Materials, 6th ed.; Van Nostrand Reinhold, 1984.

APPENDIX E

& EPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE | 02 SITE NUMBER | GA | D981 46928 |

II. SITE NAME AND LOCA						
S1 SITE NAME Legal, common, or o				•	PECIFIC LOCATION IDENTIFIER	
SOUTHEAST COOK	TERMINAL			00 ST,	ELMO AVC,	Jeroous at an accus
[LINTSTONE			GA	30725	1	07COUNTY 08 CONG CODE DIST 195 07
340 F9 55 4"	085 30 00.0"	O TYPE OF OWNERSH A. PRIVATE F. OTHER	D B. FE	DERAL	☐ C. STATE ☐ D. COUNT	Y DE. MUNICIPAL WN
III. INSPECTION INFORM						
GI DATE OF ASPECTION 11 , 87 MONTH DAY YEAR	02 SITE STATUS ACTIVE D INACTIVE		1941	I PRESE		
34 AGENCY PERFORMING INSP		BEGI	INNING YE	AR ENDING YEA	\H	
☐ A. EPÀ ☐ B. EPA CO	ONTRACTOR (Na	me of firm)	☐ C. M		MUNICIPAL CONTRACTOR _	(Name of fum)
· · · · · · · · · · · · · · · · · · ·	CONTRACTOR	me of firm)			(Specify)	
05 CHIEF INSPECTOR	_	OS TITLE ENVI	RON M	INTAL	07 ORGANIZATION	08 TELEPHONE NO.
CHARLES P. L	ZNAV	Specia	16157	7 	111 000 1117	(404) 656-7404
OP OTHER INSPECTORS JOHN CO	STELLO	SPEC/AL/		Mer7A L	11 ORGANIZATION	12 TELEPHONE NO. (404) 656 7404
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				,		()
13 SITE REPRESENTATIVES INT	ERVIEWED L TON	14 TITLE TERMINA MANAGEI		CHATTANOO	10 ST ELMO AVE	16 TELEPHONE NO (404) 820-0826
Jim BASS		ENVIRONMEN MANAGER	אונ	13 CONTORA	TR SQ NE GA 30302 HENTIAL PARKWAY	(404) 321-7600
R.E. VAN Dec	1564	OIVISION MANAGEA		3805 PRISIO	TA 30340	(404) 451- 9203
· · · · · · · · · · · · · · · · · · ·			·		•	()
			•		,	()
:						()
,		·				
17 ACCESS GAINED BY (CARE SARE) XI PERMISSION WARRANT	18 TIME OF INSPECTION 8:30 Am - 2:30 /m	19 WEATHER CONE	SMOITIC	,		
IV. INFORMATION AVAIL	<u> </u>	1 000.,,, -				
01 CONTACT		02 OF (Agency/Organ	ization) (INOCAL COI	LPON ATION	03 TELEPHONE NO.
JIM BASS		13 CORPOR	`	Q	• • •	(404) 321-7600
64 PERSON RESPONSIBLE FO	R SITE INSPECTION FORM	05 AGENCY		GANIZATION	A 761111 GA ,	08 DATE
:	EMIS	DNR	- (1 EPD	(404) 656-7400	12,30, 87 MONTH DAY YEAR
EPA FORM 2070-13 (7-81)					- 1	

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 2 - WASTE INFORMATION

į	1. IDENT	TRICATION			
	01 STATE	02 SITE NUMBER	2	ç	_

			PART 2 - WAST	E INFORMATION	I	64 1098/	467281
II. WASTES	TATES, QUANTITIES, AN	D CHARACTER	ISTICS				
DI PHYSICAL S LI A. SOLID LI B. POWDE C. SLUDGO	R. FINES M. F. LIQUID	must be	of waste quantities independent)	D3 WASTE CHARACTI	CTIVE [] G, FLAN	UBLE I HIGHLY V CTIOUS I J. EXPLOS MABLE I K. REACTIV	IVE /E
LI D OTHER	(Specify)	NO. OF DRUMS	V///	6.5.727.0.0	72.11	☐ M. NOT AP	
III. WASTE T	YPE						
CATEGORY	SUBSTANCE N	AME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS		
SLU	SLUDGE		UNKNOWN	NA			
OLW	OILY WASTE						-
SOL	SOLVENTS						
PSD	PESTICIDES						
occ	OTHER ORGANIC CH	HEMICALS	UNKHOUN	NA			
100	INORGANIC CHEMIC	CALS	<u> </u>				
ACD	ACIDS						
BAS	BASES	**************************************	÷	<u> </u>			
MES	HEAVY METALS						
IV. HAZARD	OUS SUBSTANCES (So. A	ppendix for most frequen	illy cited CAS Numbers)			<u> </u>	
01 CATEGORY	02 SUBSTANCE N	IAME	03 CAS NUMBER	04 STORAGE/DIS	POSAL METHOD	05 CONCENTRATION	05 MEASURE OF CONCENTRATION
SLU	LEAD		7439921	PL	-, 171	1300	ms/#5
occ	ETHYL BENZ	enc	100 4 14	PL_		. 641	1/2/4
ور د	XYLENE LTOTA		1330207	PL		153	NG/L
							
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V EEEDOTO	L CYC			<u> </u>		<u></u>	
CATEGORY	CKS (See Appendix for CAS Number		1 00 010 ::::::::::::::::::::::::::::::	T OATEOON	A4 FF 5 1	TOOK NAME I	00.040
	01 FEEDSTOO	JK NAME	02 CAS NUMBER	CATEGORY	OTPEEDS	TOCK NAME	02 CAS NUMBER
FDS	-	·		FDS			
FDS			1	FDS	<u> </u>		
FDS	ī.			FDS			
FDS	<u> </u>		<u> </u>	FDS	<u> </u>		
	SOFINFORMATION ICAG PO SITC IN &/44928/"		· · · · · · · · · · · · · · · · · · ·		" Souther	ST TEAMINA	
	<u> </u>						

SEPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

L. IDENTIFICATION

O1 STATE | 02 SITE NUMBER | CA | D 9 8 | 46928 |

II. HAZARDOUS CONDITIONS AND INCIDENTS		
01 L. A. GROUNDWATER CONTAMINATION	02 OBSERVED (DATE: 11/5/87.) C POTENTIAL	☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED:		
-	the detakted in the chound unter	1
IN AN ON-SIZE MONITONING	well,	1
·		_
01 [] B. SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: N A	02 TO OBSERVED (DATE:) TO POTENTIAL O4 NARRATIVE DESCRIPTION	□ ALLEGED
01 □ C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED:	02 ☐ OBSERVED (DATE:) ☐ POTENTIAL	□ ALLEGED
	•	
N A	•	
01 □ D. FIRE/EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED:	02 □ OBSERVED (DATE:) □ POTENTIAL 04 NARRATIVE DESCRIPTION	☐ ALLEGED
NA .	~ ···	
01 □ E. DIRECT CONTACT	02 ☐ OBSERVED (DATE:) ☐ POTENTIAL	. ,
03 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION	LI ALLEGED
e vojeko je stalika izvora		
01 □ F. CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED: / 7	02 OBSERVED (DATE: 11/5/87) G POTENTIAL 04 NARRATIVE DESCRIPTION	☐ ALLEGED
Lead was Parcied IN The	PROJUCT STORAGE AND AND THE	
SITE DRAINAGE AREA.	Proposition storents	-
Stie Danielle The		,
01 X G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED:	02 DBSERVED (DATE:) POTENTIAL 04 NARRATIVE DESCRIPTION	☐ ALLEGED
GROUND WATER IS USED AS		ThIN
Three miles of The size	Wille Or For the	
01 対 H. WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED:	02 OBSERVED (DATE:) X POTENTIAL 04 NARRATIVE DESCRIPTION	☐ ALLEGED
1	THE EXPOSED TO CONTAININATED SU	116
working the trace to a second		
01 □ 1. POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED:	02 ☐ OBSERVED (DATE:) ☐ POTENTIAL	☐ ALLEGED
rIA		

EPA FORM 2070-13 (7-81)

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_	Marrie State W.
- -	i

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

I. IDENTIFICATION

1. STATE 02 SITE NUMBER

GA D981469281

PART 3 - DESCRIPTION OF HA	AZARDOUS CONDITIONS A	ND INCIDENTS	(8,11)	6 1 7 6 / 2 8 /
II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)				
01 🗍 J. DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION	02 OBSERVED (DATE:)	☐ POTENTIAL	☐ ALLEGED
NA		1		
01 K. DAMAGE TO FAUNA 04 NARRATIVE DESCRIPTION (Include name(s) of species)	02 OBSERVED (DATE:)	☐ POTENTIAL	☐ ALLEGED
Λι 4	·			·
N N	00 17 000000000000000000000000000000000			D ====
01 ☐ L. CONTAMINATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION	02 □ OBSERVED (DATE:)	T POTENTIAL	☐ ALLEGED
NA				*-
O1 M. UNSTABLE CONTAINMENT OF WASTES (Spits Flunoff Standing liquids, Leaking drums) O3 POPULATION POTENTIALLY AFFECTED:	02 XOBSERVED (DATE:	•	[] POTENTIAL	☐ ALLEGED
RAIN WATER IS DRAINED FROM	The PROduct ST	TORNGO AR	IN FU 1	-
Neirby Low Man. 01 II N. DAMAGE TO OFFSITE PROPERTY 04 NAPPATIVE DESCRIPTION	02 🗆 OBSERVED (DATE:	· · ·	☐ POTENTIAL	□ ALLEGED
04 NARRATIVE DESCRIPTION				
МИ		•	-	
01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTP 04 NARRATIVE DESCRIPTION	s 02 🗆 OBSERVED (DATE:		☐ POTENTIAL	□ ALLEGED
•				**
N A .		÷ - Æ	-	
01 🖸 P. ILLEGAL/UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION	02 🗆 OBSERVED (DATE:	·····) **	`[] POTENTIAL	☐ ALLEGED
N A		• • •	•	•
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALL	EGED HAZARDS	<u> </u>	~	
	•			
NA	<u> </u>		· · ·	•
III. TOTAL POPULATION POTENTIALLY AFFECTED:				
IV. COMMENTS		· · · · · · · · · · · · · · · · · · ·	en -	
NONE		•	•	
V. SOURCES OF INFORMATION, Cité specific references e.g., state lile				
GEORGIA ENVIRONMONTAL PROZEC		SITE INVEST	716171m	PROGRAM
TERMINAL, FE	INSTOME, GA"			

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION

I. IDENT	IFICATION	
O1 STATE	02 SITE NUMBER 0 9 8 1 4 6 9	28/

	PART 4 - PERMI	T AND DES	CRIP	TIVE INFORMATI	ON L	9.1.17737.17
II. PERM(T INFORMATION		***************************************				
O1 TYPE OF PERMIT ISSUED (Check of Ingle apply)	02 PERMIT NUMBER	03 DATE IS	SUED	04 EXPIRATION DATE	05 COMMENTS	
O A. NÉDES						
()B. UIC						
CI C. AIR						
🗆 D. RÇRA						
☐ E. RÇRA INTERIM STATUS						
DF. SPCC PLAN						
日G. STATE (Specify						
ETH. LOCAL (Specify)						
CH. OTHER (Specify)						
DJ. NỘNE						
III. SITE DESCRIPTION						
01 STORAGE/DISPOSAL (Check all that apply) 02	AMOUNT 03 UNIT 0	OF MEASURE	04 TR	EATMENT (Check all that as	oply)	05 OTHER
☐ A. SURFACE IMPOUNDMENT			□ A . I	INCENERATION		M 4 51111 511105 011 075
,	NKNOMN		□ B.	UNDERGROUND INJE	ECTION	A. BUILDINGS ON SITE
☐ C. DRUMS, ABOVE GROUND				CHEMICAL/PHYSICA	L	-
☐ E. TÂNK, BELOW GROUND				BIOLOGICAL WASTE OIL PROCES!	SING	06 AREA OF SITE
☐ F. LÄNDFILL				SOLVENT RECOVERY] .
☐ G. LÄNDFARM			□ G .	OTHER RECYCLING/	RECOVERY	17,79 (Acres)
☐ H. OPEN DUMP			□ H .	OTHER	clfv)	
☐ I. OTHER(Specify)				1-2-5	,,	
7 COMMENTS					:	
NA .		:				
•	:				•	
					•	
•			1	•		
te 7	•		• • •	+ ;**		
IV. CONTAINMENT						
01 CONTAINMENT OF WASTES (Check one)	_	٠ .				
ALADEQUATE, SECURE	☐ B. MODERATE	⊠ C' IV	IADEQU	JATE, POOR	D. INSECUF	E, UNSOUND, DANGEROUS
02 DESCRIPTION OF DRUMS, DIKING, LINERS, BAI			•			
RAIN WATER IS	pumpee / d	RAINEL	FA	im nuas	or co	N7 AM INATEL
SOIL,		-		•.	•	,
				,		•
V. ACCESSIBILITY						·
01 WASTE EASILY ACCESSIBLE: YES	□ NO					
02 COMMENTS						•
			* *			
VI. SOURCES OF INFORMATION (Cite spec	ita afanasa a a stata tida sia	male eastern read				
-						
GA EPD SITE	NVESTI 61710N	PRO	G/11	m File	" SCUTA	ensy TEXMINAL
CAD 981469 281						

EPA FORM 2070-13 (7-81)

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DAT

I. IDENT	TFICATIO	N			
O1 STATE	02 SITE NU	MBER 46	9	2	81

Manual V	PART 5 - WATER	, DEMOGRAPHI	C, AND ENVIRON	MENTAL DATA	31 278/10/201
II. DRINKING WATER SUPPLY					·
01 TYPE OF DRÍNKING SUPPLY (Check as applicable)		02 STATUS			03 DISTANCE TO SITE
SURFACE COMMUNITY A. NON-COMMUNITY C.	WELL B. □ D. ¤	ENDANGERE A. 🗆 D. 🗆	D AFFECTED B. [] E. []	MONITORED C. □ F. ¤	A(mi) B(mi)
III. GROUNDWATER					
01 GROUNDWATER USE IN VICINITY (Check	one)				
☐ A. ONLY SOURCE FOR DRINKING	B. DRINKING (Other sources availa. COMMERCIAL, IN (No other water source)	bie) IDUSTRIAL, IRRIGATIO! es evaliabie)	(Limited other	IAL, INDUSTRIAL, IRRIGAT sources evalable)	TION D. NOT USED, UNUSEABLE
02 POPULATION SERVED BY GROUND WA	TER 19	-	03 DISTANCE TO NEA	AREST DRINKING WATER	NELL / · 38 (mi)
04 DEPTH TO GROUNDWATER 2,79 (ft)	05 DIRECTION OF GRO		OB DEPTH TO AQUIFE OF CONCERN UNYNWN	R 07 POTENTIAL YIEL OF AQUIFER UNKNOWN	.D 08 SOLE SOURCE AQUIFER (gpd) XYES. □ NO
O9 DESCRIPTION OF WELLS (Including useage PRIVATE WILLS /M) WELL 15 1.3 f m11	The need 1	the Deep	ARILLE l 12e,	wells,	The Closes +
NO THE	NATER 15 CX ARGA THA WAZ CAREA		11 DISCHARGE AREA ☐ YES COMM 対 NO	•	
URFACE WATER					
01 SURFACE WATER USE (Check one) A. RESERVOIR, RECREATION DRINKING WATER SOURCE		N, ECONOMICALLY NT RESOURCES	C. COMME	RCIAL, INDUSTRIAL	☐ D. NOT CURRENTLY USED
02 AFFECTED/POTENTIALLY AFFECTED B	ODIES OF WATER		100 to Marino	·	
NAME:	**************************************	- 3		AFRECTED	DISTANCE TO SITE
CHATTANOOGA	CREEK				O128(mi)
			<u> </u>	0	(mi)
·			· · · · · · · · · · · · · · · · · · ·		(mi)
V. DEMOGRAPHIC AND PROPERT	Y INFORMATION				
01 TOTAL POPULATION WITHIN				02 DISTANCE TO NEAR	EST POPULATION
ONE (1) MILE OF SITE TV A. 317 NO OF PERSONS	NO (2) MILES OF SITE B. 1387 NO OF PERSONS	THREE (3	3) MILES OF SITE 3/23 IO. OF PERSONS		O.19 (mi)
03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE		04 DISTANCE TO NE	AREST OFF-SITE BUILDING	3
2,200	<u> </u>			0.02	(mi)
05 POPULATION WITHIN VICINITY OF SITE	(Provide narrative description o	f nature of population within	vicinity of site, e.g., rural, vill	lage, densely populated urban a	rea)
The \$170 15 La	OCKTED IN	GEON GIA	on The	GEONGIA - T	ennesse bounday.
The Population	IROUND THE	. 517e 13	most den	ILL NORTH	of The SITE
IN The Community	17 of 57. 1	Elmo IN	Tennessee	. The POPU	LATION TO The
SOUTH, IN GOODE	A, 15" LASS	DINSA,	MOSTLY A	PURALI	

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

	IFICATION
O1 STATE	02 SITE NUMBER

VI. ENVIRONMENTAL INFORMATION					
01 PERMEABILITY OF UNSATURATED ZONE (Check one)					
☐ A. 10 ⁻⁶ - 10 ⁻⁸ cm/sec	ec □ C. 10 ⁻⁴ - 10 ⁻³ cm/sec . □ D. GREATER THAN 10 ⁻³ cm/sec				
02 PERMEABILITY OF BEDROCK (Check one)					
☐ A. IMPERMEABLE ☐ B. RELATIVELY IMPE (Less (ham 10 ⁻⁶ cm/sec) (10 ⁻⁴ - 10 ⁻⁶ cm/sec)	RMEABLE C. RELATIVELY PERMEABLE D. VERY PERMEABLE (10 ⁻² - 10 ⁻⁴ cm/sec) (Greater than 10 ⁻² cm/sec)				
03 DEPTH TO BEDROCK 04 DEPTH OF CONTAMINATED SOIL ZO	NE" 05 SOIL pH				
	(ft) UNK NOW N				
06 NET PRECIPITATION 07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE DIRECTION OF SITE SLOPE TERRAIN AVERAGE SLOPE				
	1.86 % EAS 7 0.55 %				
09 FLOOD POTENTIAL NA 10 NA					
SITE IS IN YEAR FLOODPLAIN	N BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY				
11 DISTANCE TO WETLANDS (5 acre minimum) NA	12 DISTANCE TO CRITICAL HABITAT (of engangered species)				
ESTUARINE OTHER	NA(mi)				
A(mi) B(mi)	ENDANGERED SPECIES:				
13 LAND USE IN VICINITY	LINDANGER ILO OF LOTEO,				
DISTANCE TO:	·				
RESIDENTIAL AREAS	; NATIONAL/STATE PARKS; ' : AGRICULTURAL LANDS WILDLIFE RESERVES PRIME AG LAND AG LAND				
COMMERCIAL/INDUSTRIAL FORESTS, OR	WILDLIFE RESERVES FRIME AG LAND AG CAND				
A. 0, 0 2 (mi) B. 0	. 19 (mi) c(mi) p. 1. 33 (mi)				
14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY	:				

The SITE IS LOCATED ON	THE WASTERN SIDE of The TERRALA SLUPES GONTLY TO THE				
CHATANOOGA VALLY. The	TERRAIN SLUPES GANTLY TO THE				
	CREEK, The SLOP TERRAIN				
RISES VERY SHARPLY TO TO	he west to the TOP of				
LOUK OUT MOUNTAIN.	~ -				
	the second control of				
;	The second of th				
VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, samp	ile analysis, reports)				
GA EPO SITE INVESTIGATION R	PEPONT SOUTHERST TERMINAL				

EPA FORM 2070-13 (7-81)

GAD981469281

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION					
01 STATE	02 SITE NUMBER				
61	02 SITE NUMBER D 9814692	81			

·	P/	ART 6-SAMPLE AND FIELD INFORMATION	
II. SAMPLES TAKEN			
SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER	2	EPO LABORATORY	12/14/87
SURFACE WATER			
WASTE			
AIR			
RUNOFF -			
SPILL			
SOIL :	4	EPO LABORATORY	12/14/87
VEGETATION			
OTHER			
III. FIELD MEASUREMENTS T			
D1 TYPE	02 COMMENTS		
WATER TABLE	AT The	CLOSEST POINT TO THE WATER THEEL	From
· ·	THE CAU	out SUMPACE IS 2,779 FEET	
<u> </u>			
	·		
		:	
IV. PHOTOGRAPHS AND MAR	PS		*
01 TYPE GROUND AERIA		02 IN CUSTODY OF CA LPD (Name of organization of individual)	<u> </u>
	ON OF MAPS LPO SITE	INVISTIBATION PROGRAM.	-
V. OTHER FIELD DATA COLL	ECTED (Provide narrative de	scription)	
NA .		•	
) v / (
• -	-	-	
:		•	
-			
		•	
VI. SOURCES OF INFORMAT	ION (Cita specific subsequent	a of child files comple anytour coports	
GAD 98146928		PROGRAMA FILE " SOUTHERST TO	IMINAC
GNO": 6176721	2 /		

EPA FORM 2070: 13 (7-81)

⇔ EPA	Р	SITE INSPE	ARDOUS WASTE SITE ECTION REPORT NER INFORMATION	I. IDENTIFIC O1 STATE 02 GA D	CATION SITE NUMBER 98/46928/
II. CURRENT OWNER(S)			PARENT COMPANY (If applicable)		
O1 NAME		02 D+B NUMBER	OB NAME	l c	9 D+B NUMBER
UNGCAL CORPORAT	1000			1	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE
3805 PRESIDENTIAL	PARKWAY				
OS CITY		07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE
ATLANTA	GA	30340			
O1 NAME	•	02 D+B NUMBER	08 NAME		09 D+B NUMBER
STANZAAZ OIL CO.	1 0410		ļ	_	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	7	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE
ι			}		
05 CITY '	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE
O1 NAME		02 D+8 NUMBER	OB NAME		09 D+B NUMBER
O' NAME		OZ D + D NOMBER	O TAME		*-
02.870551 40000755 6 6 6 6 6 6 6		04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11SIC CODE
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 8/0 0002	TO STREET ADDITESS (P.O. BOX, APO #, BIG.)		11000000
				142 674761	14 ZIP CODE
05 CITY	06 STATE	07 ZIP CODE	12 CITY	ISSIAIE	14 ZIP CODE
O1 NAME		02 D+8 NUMBER	OB NAME -		09D+BNUMBER
			<u> </u>		
03 STREET ADDRESS (P O Box, RFD #, etc.)		04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE
05 CITY	- 06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE
	1	i			
III. PREVIOUS OWNER(S) (List most rec	ent first)		IV. REALTY OWNER(S) (If applicable: list r	most recent first)	
01 NAME		02 D+B NUMBER	01 NAME		02 D+B NUMBER
GULF OIL COMP	PNNY				
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD F, etc.)	· · · · · · · · · · · · · · · · · · ·	04 SIC CODE
-			· ·		
05 CITY	OBSTATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
HUSTON	T⊁				
01 NAME		02 D+8 NUMBER	01 NAME		02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE
OS CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
·					
O1 NAME		02 D+B NUMBER	01 NAME		02 D+B NUMBER
03 STREET ADDRESS (P O Box, RFD #, etc.)		04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE
OSCITY	DESTATE	07 ZIP CODE	05 CITY	D6 STATE	07 ZIP CODE
	Josinie	U. 411 UUUL	100011	333.715	

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample enalysis, reports)

GA ELD SITE INSTITUTED TION PROGRAM FILE" SOUTHERST TERMINAL GAD 921469281"

EPA FORM 2070-13 (7-81)

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	ستن مسيك	3 (5)
- T.		2 T A
3.0	3 —₹	
	الد بسندا	# A

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

O1 STATE O2 SITE NUMBER

O1 D 981 469281

		PART 8 - OPERA	TOR INFORMATION		1961967261
II. CURRENT OPERATOR (Provide If different I	from owner)	····	OPERATOR'S PARENT COMPANY	Y (If applicable)	· · · · · · · · · · · · · · · · · · ·
01 NAME		02 D+B NUMBER	10 NAME		11 D+B NUMBER
UNDGAL CORPORATI	ω				
03 STREET ACDRESS (P.O. BOX. RFD 4. OIC.) 3805 PROSIDENTIAL PA	RKWNY	04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)	•	13 SIC CODE
05 CITY		07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
ATLANTA	GA	30340			
08 YEARS OF OPERATION 09 NAME OF OWNE	R				
UNKNOWN					
III. PREVIOUS OPERATOR(S) (List most recen	nt first; provide on	ly if different from owner)	PREVIOUS OPERATORS' PARENT	T COMPANIES (#	applicable)
01 NAME		02 D+B NUMBER	10 NAME		11 D+8 NUMBER
UNION OIL COMPA	1 ~ 7				
03 STREET ADDRESS (P.O. Box, RFO #, etc.)	1 1 14	04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFO F, etc.)		13 SIC CODE
3805 PROSIDENTIAL PAR		07 ZIP CODE	1000	I E STATE	10.70.005
ATLANTA	GA	30340	14 CITY	ISSIAIE	16 ZIP CODE
OB YEARS OF OPERATION OP NAME OF OWNE					-
	IN DOUGHG ITH	372(110)			
ON I W		IOO D L O NI IVOED	10 NAME		11 D+B NUMBER
UINAME		02 D+B NUMBER	TO NAME		T D + O NOMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE
US CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
•					
08 YEARS OF OPERATION 09 NAME OF OWNE	ER DURING TH	IS PERIOD		· · · · · · · · · · · · · · · · · · ·	
01 NAME		02 D+B NUMBER	10 NAME		11 D+B NUMBER
		,			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE
05 CITY	08 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
	<u> </u>	<u> </u>			
08 YEARS OF GPERATION 09 NAME OF OWN	ER DURING TH	IS PERIOD			
IV. SOURCES OF INFORMATION (Cité spi	ecific references,	e.g., state files, sample analy:	sis, reports)		
-					
CA: 500			On comment	ليعصر من وا	a 1 6 ""
			PROGRAM FILE	, 3007K	C / 3 /
TERMINAL GAD	9814	69 28/ "		·	

	CITE INCRECTION DEPORT			ATION TENUMBER 18/46928
1	02 D+B NUMBER			
3 L				
	04 SIC CODE			
1 1				
GA	30725			
			,	
	02 D+B NUMBER	01 NAME	0:	2 D+B NUMBER
<u> </u>				
	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE
06 STATE	07 ZIP CODE	05 CITY	06 STATE 0	7 ZIP CODE
	00.01.011111000	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		0.5 : 0 : 11 11 10 50
1		OT NAME	10	2 D+B NUMBER
				101000000
	04 SIC CODE	US STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE
OS STATE	07.70.0005		IOS STATELO	7.7/D.CODE
OBSIAIE	07 ZIP CODE	05 CITY ***	OOSIAIEO	7 ZIP CODE
	: 			
	02.0±9.4959	Towns .		
	UZ UT B NUMBER	OT NAME	ľ	2 D+B NUMBER
	TO A SIG CODE	102 CTDEET ADDDEED (0.0 p. DED b. ct.)		04 SIC CODE
	U4 SIC CODE	103 STREET ADDRESS (P.O. Box, HFD #, etc.)		04 SIC CODE
TOR STATE	07.710.0005	LOS OUTV	IOR STATEL	7.719.0005
0031212	O7 ZIF CODE	1	OUSTATE	7 ZIF CODE
	03 D+B NUMBER			2 D+B NUMBER
	OZ B / B NOMBER	OT MANUE	ľ	2 D TO NOMBER
	Ind sic cone	O3 STREET ADDRESS (P.O. Box RED.4 etc.)	1	04 SIC CODE
	04000000	00011121710011200 [7:0.000,11107,410,4		040.000.
log STATE	OZ ZIP CODE	OS CITY	IOS STATELO	7 ZIP CODE
				
			" SOUT	Lensy
_	- 1 11 10 001	4		
GAD 98	31469281			
	PART 9 PART 9	O2 D+B NUMBER O4 SIC CODE O6 STATE O7 ZIP CODE O4 SIC CODE O5 STATE O7 ZIP CODE O4 SIC CODE O5 STATE O7 ZIP CODE	SITE INSPECTION REPORT PART 9 - GENERATOR/TRANSPORTER INFORMATION O2 D+B NUMBER O4 SIC CODE O6 STATE O7 ZIP CODE O7 SIR CODE O7 SI	SITE INSPECTION REPORT PART 9 - GENERATOR/TRANSPORTER INFORMATION O2 D+B NUMBER O4 SIC CODE O6 STATE O7 ZIP CODE O6 STATE O7 ZIP CODE O2 D+B NUMBER O1 NAME O4 SIC CODE O3 STREET ADDRESS (P.O. Box, RFD *, MC) O4 SIC CODE O3 STREET ADDRESS (P.O. Box, RFD *, MC) O4 SIC CODE O5 STATE O7 ZIP CODE O5 CITY O6 STATE O7 ZIP CODE O5 CITY O7 ZIP CODE O5 CITY O7 ZIP CODE O7 ZI

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES

1. IDENTIFICATION
01 STATE 02 SITE NUMBER
CA 0981469281

Ρ,	ART 10 - PAST RESPONSE	ACTIVITIES	01. 1071707201
II. PAST RESPONSE ACTIVITIES			
01 ☐ A. WATER SUPPLY CLOSED 04 DESCRIPTION	02 DATE	03 AGENCY	
NΛ			
01 D B. TEMPORARY WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE	03 AGENCY	
N,N			
01 C. PERMANENT WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE	03 AGENCY	
N'U			
01 □ D. \$PILLED MATERIAL REMOVED 04 DESCRIPTION	02 DATE	03 AGENCY	
N. A. 01 □ E. CONTAMINATED SOIL REMOVED	OO DATE	03 AGENCY	
04 DESCRIPTION	UZ DATE	US AGENCY	3-
NN			
01 ☐ F. WASTE REPACKAGED 04 DESCRIPTION	02 DATE	03 AGENCY	. 4
NV			-
01 ☐ G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION	02 DATE	C3 AGENCY	
NA			
01 ☐ H. ON SITE BURIAL 04 DESCRIPTION	02 DATE	03 AGENCY	
- NA			
01 🗆 I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY	
NA	÷		·· · ,
01 ☐ J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION		•	*
NV	÷ .	ė . E	
01 ☐ K. Ñ SITU PHYSICAL TREATMENT 04 DESCRIPTION		03 AGENCY	
NA	•		*
01 □ L. ENCAPSULATION 04 DESCRIPTION	and the second s	03 AGENCY	
N A			· · · · · · · · · · · · · · · · · · ·
01 M. ÉMERGENCY WASTE TREATMENT O4 DESCRIPTION	02 DATE :	03 AGENCY	
N A			
01 🗆 N. CUTOFF WALLS 04 DESCRIPTION	02 DATE	03 AGENCY	***************************************
NA			
01 □ O. ÉMERGENCY DIKING/SURFACE WATER D 04 DESCRIPTION	IVERSION 02 DATE	03 AGENCY	
n A			
01 (1 P. ČUTOFF TRENCHES/SUMP 04 DESCRIPTION	02 DATE	03 AGENCY	.,
, NA			
01 [] Q. \$UBSURFACE CUTOFF WALL 04 DESCRIPTION	02 DATE	03 AGENCY	
. N V			
EPA FORM 2070-13 (7-81)			

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES

	TIFICATION
O1 STATE	02 SITE NUMBER D 9 8 / 469 27

(PART 10 - PAST RESPONSE ACTIVITIES	
II PAST RESPONSE ACTIVITIES (Continued)		
01 G R BARRIER WALLS CONSTRUCTED 04 DESCRIPTION	02 DATE	03 AGENCY
NA		
01 S CAPPING/COVERING 04 DESCRIPTION	02 DATE	03 AGENCY
NA		
01 🗆 T. BULK TANKAGE REPAIRED	02 DATE	
04 DESÇRIPTION		
, N Λ 01 □ U GROUT CURTAIN CONSTRUCTED	02 DATE	03 AGENCY
04 DESCRIPTION		
NV		
01 ☐ V. BOTTOM SEALED 04 DESCRIPTION	O2 DATE	03 AGENCY
24		
01 □ W. GAS CONTROL 04 DESÇRIPTION	02 DATE	. 03 AGENCY
NA		
01 ☐ X. FIRE CONTROL 04 DESCRIPTION	02 DATE	03 AGENCY
N N .	ett	
01 ☐ Y LEACHATE TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
N'A		
01 [] Z. AREA EVACUATED	02 DATE	03 AGENCY
04 DESCRIPTION N		- -
01 (1) 1 ACCESS TO SITE RESTRICTED	O2 DATE	03 AGENCY
04 DESCRIPTION N	٠. نهٔ	•
01 🖸 2. POPULATION RELOCATED	02 DATE	O3 AGENCY
04 DESCRIPTION		, •
NV		
01 🖂 3. OTHER REMEDIAL ACTIVITIES 04 DESCRIPTION	02 DATE	03 AGENCY
; NA	•	
·	-	
	·	e e e
*		
:		
III SOURCES OF INFORMATION		
III. SOURCES OF INFORMATION (Cite specific refer		
GA EPO SITE	INVESTIGATION PROGRA	in File " SOUTHIST
TORININAL GAD 98		

EPA FORM 2070-13 (7-81)



POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 11 - ENFORCEMENT INFORMATION

1. IDENTIFICATION

01 STATE 02 SITE NUMBER

61 0981469281

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION CI YES X NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

NN

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

GA BER SITE INVESTIGATION PROCKEM " SOUTHERST TERMINAL
GAD 981469281"

APPENDIX F

acility name: SOUTHEAST TERMINAL	_
ocation: 5800 ST. ELMO AVE. FLINTSTONE, GA 30725	
PA Region:	_
erson(s) in charge of the facility: JIM BASS / UNOCAL CORP	
13 CORPORATE SQUARE N.E.	_
ATLANTA, GA 30302	
lame of Reviewer: Date:	
seneral description of the facility: For example: landfill, surface impoundment, pile, container; types of hazardous substances; location of the	
acility; contamination route of major concern; types of information needed for rating; agency action, etc.)	
:	
	_
	_

1200 - 2000- 53/- 0	
Scores: $s_M = 3.29 (s_{gw} = 22.37 s_{sw} = 5.31 s_a = 0)$	
S _{FE} = O	
$s_{DC} = O$	

FIGURE 1 HRS COVER SHEET Southeast Terminal is a bulk oil distribution terminal. Petroleum product is received via pipeline and shipped out via trucks. Leaded fuels have been at the facility since it was built in the mid 40's. Lead is present in the soil around the product storage area. Xylene and ethyl benzene is present in the ground water at the facility.

There is limited use of ground water for drinking water within three miles of the facility. Surface water from the facility drains to the west and into The Chattanooga Creek. There are no surface water intakes within three miles and downstream of the facility. However, some recrational use of the Chattanooga

Creek occurs in this area.

	Ground Water Route Work Sheet										
	Rating Factor		Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)				
1	Observed Release		0 45	1	45	45	3.1				
	If observed release is given a score of 45, proceed to line 4. If observed release is given a score of 0, proceed to line 2.										
2	Route Characterist Depth to Aquifer Concern		0 1 2 3	2		6	3.2				
	Net Precipitation Permeability of the Unsaturated Zor	he	0 1 2 3 0 1 2 3	. 1		3 3					
	Physical State	······································	0 1 2 3	1		3					
			Total Route Characteristics Score			15					
3	Containment		0 1 2 3	1	3	3	3.3				
4	Waste Characterist Toxicity/Persiste Hazardous Waste Quantity	ence	0 3 6 9 12 15 (18) 0 (1) 2 3 4 5 6 7 8	1	18	18 8	3.4				
	,			-	·	/- 1/- //	1				
			Total Waste Characteristics Score		1.9	26					
5	Targets Ground Water Use Distance to Near Well/Population Served	rest	0 1 2 3 0 4 6 8 10 12 16 18 20 24 30 32 35 40	3	9	9 40	3.5				
	· ,				T		1 ·				
			Total Targets Score		15	49	·				
6			1 x 4 x 5 2 x 3 x 4 x 5		12,825	57,330					
7	Divide line 6 b	y 57,330	and multiply by 100	s _{gw} =	22,3	7					

FIGURE 2
GROUND WATER ROUTE WORK SHEET

	Surface Water Route Work Sheet										
Rat	ting Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)					
Поы	served Release	. 0 45	1		45	4.1					
į		given a value of 45, proceed to line 4. given a value of 0, proceed to line 2.									
F	ute Characteristics acility Slope and Int Terrain	_	1	9	3	4.2					
D	-yr. 24-hr. Rainfall listance to Nearest : Water		1 2	3 4 3	3 6						
	hysical State	0 1 2 (3) Total Route Characteristics Score	1	16	3 15	-					
3 Co	ntainment	0 1 2 3	1	3	3	4.3					
T	ste Characteristics Toxicity/Persistence Hazardous Waste Quantity	0 3 6 9 12 15 (18) 0 (1) 2 3 4 5 6 7 8	1 1	18	18 8	4.4					
		*									
		Total Waste Characteristics Score		19	26						
s	rgets Surface Water Use Distance to a Sensiti Environment	0 1 ② 3 ive ① 1 2 3	3 2	6	., 9 6	4.5					
	Population Served/D to Water Intake Downstream	istance (0) 4 6 8 10 12 16 18 20 24 30 32 35 40	1	0	40	:					
		Total Targets Score		6	55	•					
1	ine 1 is 45, multine 1 is 0, multin	tiply 1 x 4 x 5 ply 2 x 3 x 4 x 5		3,420	64,350						
7 Div	ride line 6 by 64	,350 and multiply by 100	S _{sw} =	5.31							

FIGURE 7
SURFACE WATER ROUTE WORK SHEET

NOT SCORED

Air Route Work Sheet									
Rating Factor			ied Value le One)	Multi- plier	Score	Max. Score	Ref. (Section)		
1 Observed Release		. 0	45		1	,	45	5.1	
Date and Location	:								
Sampling Protocol	:								
		0. Enter on line 2							
Waste Characteris Reactivity and Incompatibility Toxicity Hazardous Waste Quantity		··· 0 1 :	2 3 2 3 2 3 4 5	6 7 8	1 3 1	-	3 9 8	5.2	
		Total Waste C	haracteristics	Score			20		
Targets Population Within 4-Mile Radius Distance to Sens Environment Land Use) 21 24 2	2 3	•	1 2 1		, 30 6 3	5.3	
-		Total T	argets Score				39	· ,	
4 Multiply 1 x	2 × 3	1					35,100		
5 Divide line 4 b	y 35,100	and multiply by	y 100		Sa=				

FIGURE 9 AIR ROUTE WORK SHEET

•		
	S	S ²
Groundwater Route Score (Sgw)	22.37	500.44
Surface Water Route Score (S _{SW})	5,31	28.20
Air Route Score (Sa)	0	o
$s_{gw}^2 + s_{sw}^2 + s_a^2$		528,44
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2}$		22,99
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2} / 1.73 = s_M =$		13,29

FIGURE 10
WORKSHEET FOR COMPUTING S_M

Fire and Explosion Work Sheet (NOT SCORED)												
Rating Factor		Assigned Value Multi- (Circle One) plier				Score	Max. Score	Ref. (Section)				
1 Containment		1				. ;	3		1		3	7.1
Waste Characteris Direct Evidence Ignitability Reactivity Incompatibility Hazardous Waste Quantity		0 0 0 0	1 1 1	2 2 2 2	3 3 3 3	4	5	6 7 8	1 1 1 1 3		3 3 3 8	7.2
	Tota	l Wa	ste	Cha	ırac	teri	stic	s Score			20	
Targets Distance to Near Population Distance to Near Building Distance to Sens Environment Land Use Population Within 2-Mile Radius Buildings Within 2-Mile Radius	est	0 0 0 0 0 0		2 2 2		. 4	5 5 5	•	1 1 1 1 1		5 3 3 5 5	7.3
		To	otal	Tar	get	s S	core)			24	
4 Multiply 1 x 2 x 3										1,440		
5 Divide line 4 by 1,440 and multiply by 100 S FE =												

FIGURE 11
FIRE AND EXPLOSION WORK SHEET

		Direct Contact Work	Sheet				
	Rating Factor	Assigned Value (Circle One)		fulti- olier	Score	Max. Score	Ref. (Section)
1	Observed Incident	0 45		1		45	8.1
	If line 1 is 45, proceed to 1 is 0, proceed to 1						
2	Accessibility	① 1 2 3		1	0	3	8.2
3	Containment	0 (15)		1	15	15	8.3
4	Waste Characteristics Toxicity	0 1 2 3		5	15	15	8.4
5	Targets Population Within a 1-Mile Radius Distance to a Critical Habitat	0 1 2 3 4 5	·	4	. 8	20 12	8.5
[6]	If line 1 is 45, multiply	Total Targets Scor	·		.8	32	
6	If line 1 is 45, multiply If line 1 is 0, multiply				0	21,600	
7	Divide line 6 by 21,600	and multiply by 100	S	DC -	0		

FIGURE 12
DIRECT CONTACT WORK SHEET

GROUND WATER ROUTE

1. OBSERVED RELEASE (assigned value = 45)

Contaminants detected (5 maximum):

Ethyl benzene and xylenes were detected in a ground water sample (SETW-2) obtained from an on-site monitoring well on 11/5/87. (reference 1)

Rational for attributing the contaminants to the facility: Benzene and xylene are common costituents of petroleum. (reference 2)

2. ROUTE CHARACTERISTICS (not scored)
Depth to Aquifer of Concern:

Name/Description of Aquifer(s) of concern:
The aquifer of concern includes the rock units included in the Pensylvanian Rocks, the Mississippian Rocks, the Fort payne Chert, the Red mountain Formation the Chickamauga Limestone, and the Knox Group (reference 3).

Depth(s) from the ground surface to the highest seasonal level of the saturated zone [water table(s)] of the aquifer of concern:

Depth from the ground surface to the lowest point of waste disposal/storage:

Net Precipitation

Mean Annual or seasonal precipitation (list months for seasonal):

Mean annual lake or seasonal evaporation(list months for seasonal):

Net precipitation (subtract the above figures):

Permeability of Unsaturated Zone

Soil type in the unsaturated zone:

Permability associated with soil type:

Physical State

Physical state of substances at time of disposal (or present time for generated gases):

CONTAINMENT

Containment (not scored)

Method(s) of waste or leachate containment evaluated:

Method with the highest score:

4. WASTE CHARACTERISTICS

Toxicity and Persistence (assigned value = 18)

Compound(s) evaluated:

The compounds evaluated are lead, ethyl benzene, and xylene. (reference 1)

Compound with the highest score:

Hazard Waste Quantity (assigned value = 1)

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a resonable estimate even if quantity is above maximum):

Lead is the highest scoring compound. (reference 6)

Basis of estimating and/or computing waste: NA

5. TARGETS

Ground Water Use (assigned value = 3)

Use(s) of the aquifer of concern within a 3-mile radius of the facility:

Ground water is used as a source of drinking water within three miles of the facility. (reference 5)

Distance to the Nearest Well

Location of nearest well drawing from the aquifer of concern or occupied building not served by a public water supply:

The nearest well drawing from the aquifer of concern is located at Rt. 1, Box 31, Flintstone, Georgia 30725.

(reference 4)

Distance to above well or building: (assigned value = 6)
The distance to the nearest well is 1.38 miles. (reference 5)

Population Served by Ground Water Wells Within a 3-Mile Radius

Identified water-supply well(s) drawing from aquifer(s) within a 3-mile radius and populations Served by each:

A total of five homes use ground water as a source of drinking water within three miles of the site. (reference 5)

Computation of land area irrigated by supply wells drawing from aquifer(s) of concern within a 3-mile radius, and conversion to population (1.5 people per acre):

No land is irrigated with ground water within three miles of the site. (reference 7 and 8)

Total population served by ground water within a 3-mile radius: A total of 19 (3.8 people/home X 5 homes) use ground water as a source of drinking water within three miles of the site. (calculation)

SURFACE WATER ROUTE

1. OBSERVER RELEASE (NA)

Contaminants detected in surface water at the facility or downhill from it (5 maximum):

Rational for attributing to the contaminants to the facility:

2. ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain (assigned value = 0)

Average slope of the facility in percent: The average slope of the facility is 0.49 per cent. (reference 9)

Elevation of the facility at point A = 205 meters

Elevation of the facility at point B = 203.5 meters

difference

1.5 meters (1.5 meters = 4.92 feet)

The distance from point A to point B is 1000 feet.

Name/description of the nearest downslope surface water:
The nearest downslope surface water is The Chattanooga
Creek. Chattanooga Creek is a perennial stream east of the
site flowing from Georgia north into Tennessee. Once inside
Tennessee it bends east and meanders across the
Tennessee-Georgia border approximately one mile before
turning north into Chatanooga.

Average slope of terrain between facility and above cited surface water body in percent:

The average slope of the terrain between the facility and the Chattanooge Creek is 1.86%.

elevation of the most downslope point of the hazardous material = 203.5 meters (interpolation) (point B) elevation of the downslope surface water (point B)(interpolation) = 195 meters

difference ----- 8.5 meters = 27.88 feet

distance to the Chattanooga Creek from the the most downslope point of contamination (point B) = 1500 feet

27.88 slope = ----- X 100 = 1.86% 1500

Is the facility located either totally or partially in surface water?

No, the elevation of the facility is 200 Meters above mean sea level. (reference 9)

Is the facility completely surrounded by areas of higher elevation?

No, the facility drains into the Chickamauga Creek to the east. (reference 9)

1-Year 24-Hour Rainfall In Inches (assigned value=3)
The one-year 24-hour rainfall for the area is 3.25 inches.
(reference 10)

Distance to Nearest Downslope Surface Water (assigned value = 2)

The nearest downslope surface water is 1500 feet away from the facility. (reference 9)

Physical State of Waste (assigned value=3)
The physical state of the waste at the time of disposal was a sludge. (reference 5)

3. CONTAINMENT

Containment (assigned value=3)
Method(s) of waste or leachate containment evaluated:
The method of waste containment evaluated is an uncovered waste pile, waste not consolidated, and no containment system. (reference 5)

Method with highest score:
NA, only one method was evaluated.

4. WASTE CHARACTERISTICS

Toxicity and Persistence (assigned value = 18)

Compounds(s) evaluated:

The compound evaluated is lead. (reference 1)

Compound with highest score:

NA, only one compound was evaluated.

Hazard Waste Quantity (assigned value=1)

Total quantity of hazardous substances at the facility, excluding thoes with a containment score of 0 (Give reasonable estimate even if quantity is above maximum):

The quantity of waste lost at the facility is unknown however, contamination is known to be present. (reference 5 and 1)

Basis for estimating and/or computing waste quantity: Contamination is known to be present (reference 1)

5. TARGETS

Surface Water Use (assigned value = 2)

Use(s) of surface within three miles downstream of the hazardous substance:

Surface water within three miles and down stream of the site is used for fishing. (reference 11)

Is there a tidal influence?
The elevation of the site is 205 meters above mean sea level. There is no tidal influence. (reference 9)

Distance to a Sensitive Environment (assigned value = 0)

Distance to 5-acre (minimum) costal wetland, if 2 miles or less:

There is no coastal wetland within two miles of the site. (reference 9)

Distance to 5-acres (minimum) fresh-water wetland, if 1 mile or less:

There is no fresh water wetland within one mile of the site. (reference 9)

Distance to critical habitat of an endangered species or national wildlife refuge, if 1 mile or less:

There is no critical Habitat of a federally endangered species within one mile of the site. (reference 12)

Population Served by Surface Water (assigned value = 0)

Location(s) of water-supply intakes(s) within three miles (free-flowing bodies) or 1 mile (static water bodies) down stream of the hazardous substance and population served by each intake:

There are no water-supply intakes within three miles and downstream of the the hazardous substances. (reference 9)

Computation of land area irrigated by above-cited intake(s) and conversion to population (1.5 people per acre):

There is no cropland irrigated with surface water within three miles and downstream of the site. (reference 7 and 8)

Total population served:

The population served by surface water is zero.

Name/description of nearest of above water bodies: NA

Distance to above-cited intakes, measured in stream miles:

AIR ROUTE (not scored)

There no evidence of an air release from the waste at the site.

FIRE AND EXPLOSION (not scored)

Based on field observations, there is no fire or explosion threat from waste at the site.

DIRECT CONTACT

- 1. OBSERVED INCIDENT Date, location, and pertinant details of incident:
- 2. ACCESSIBILITY (assigned value =0)
 Describe type of barrier(s):
 The product storage area is inside a locked fence. Access to this area is controlled. (reference 5)
- 3. CONTAINMENT
 Type of containment, if applicable: (assigned value = 15)
 Lead was detected in surface soil samples on-site. The
 contaminated soil is accessable to personnel working at the
 facility. (reference 1 and 4)
- 4. WASTE CHARACTERISTICS

Toxicity (assigned value =18)
Compounds evaluated:
The compound evaluated is lead. (reference 1)

Compound with the highest score: NA, only one compound was evaluated.

5. TARGETS

Population within one-mile radius (assinned value = 2)
Threehundred forty seven people reside within a mile of the site. (reference 9).L8

Distance to critical habitat (of endangered species) (assigned value = 0)

There is no critical habitat of an endangered species within a mile of the site. (reference 12)

HRS REFERENCES

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- 7. Bunn, Mike, Walker County Extension Agent, Record of Telephonic Conversation with Charles P. Evans, Georgia Environmental Protection Division, June 25, 1987.
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- 11. Primmer, Kim; Regional Supervisor, Georgia Department of Natural Resources, Game and Fish Division, Record of Telephonic Conversation with Charles P. Evans, Georgia Environmental Protection Division, April 17, 1987.
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GEORGIA ENVIRONMENTAL PROTECTION DIVISION LABORATORY REPORT

656 -7404

					656 7701
LE 11/5/87 PROJECT: SOUT	TH EAST	TERMINAL	<u></u>	ECTOR: _	C. EVANS
HW LOG NO.	2903	2904			
E					
'D 11-6-87 IAEEL	SETW-1	SETW-Z			
ا م م ا	OFF-SITE	ON-SITE			
- Dreed	GROUND-	GROUND			
Crans	WATER	WATER			
a Harold Landord					
LABORATORY MANAGER					
: 12 14-87 VEIES LAB NO					
		1			
ratal Ag 49/L	<10	<10	<u> </u>		
11 . A3 /11	430	195	<u> </u>	 	
n Cd 11	4	175 210"		+	
n Cr n	410	210		 	
11 Pb 11	430	<3°C			
11: S-e 11	45	45			
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GEORGIA ENVIRONMENTAL PROTECTION DIVISION LABORATORY REPORT

656-7404

DATE: 11/5/87	PROJECT: SOUT	h EAST	TEKMINA	L COLLE	CTOR: C, L	EVANS
	hw log no.	2905	2906	2907	2908 1	
DATE REC'D 11-6-87 TINE	LABEL	SETS-1	SETS-2	SETS-3	SETS-4	
REC'D 1400 REC'D DReed BY: DReed		OFF-SITE	DRIANAGE	SOIL Composite	SOIL Composite	
DEL BY: Evans		SOIL	SOIL	UNION OIL	GULF OIL TANK	
g Dacold Ja LABORATORY MANAG	ford_		SAMPLE	AREA	AREA	
DATE: 12-14-87 PARAMETERS	LAB NO.	Hw2905	भ्राम्य ३१०८	HW 2907	HW2908	
% Solids		92.4	63.0	92.5	89.3	
Total Ag	ma (Ka	4 1	4	~ 1	41	
Total Ag	mglkg	f. P	1.2.	19	17	
" Ba	31	53	415	120	76	
" cd	11	<1	<u> </u>	<1	1 <1	
ii Cr	31	29	2	27	47	<u> </u>
Se Se	11	< <i>5</i>	71	245 <5	1300	
					 	
EP A9	49/1			420	420	
11 AS				460	<60	
ıı Ba	1/	1		1310	570	
u cd		<u> </u>		<20	1 420	
, Cr)/	<u> </u>	 	<20	420	<u> </u>
, pb				70	240	
1, Se			 	<100	<100	
VOA		4570	attacho	SLAVE	-	
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GEORGIA ENVIRONMENTAL PROTEC PROJECT: Southeast Terminate PURGEABLE ORGANIC ANALYSIS-WATER SOURCE:

DATA REPORTING SHEET

Off- Site Groundwater SAMPLE TYPE: SAMPLE NO.: Hw 2563

SAMPLE REC'D (date & time) SAMPLE START (date & time): SAMPLE STOP (date & time):

CHEMIST: MB COMPLETE:

Compound	Storet#	<u>Units</u>	Compound	Storet#	Units
Methylene Chloride Trichlorofluoromethane 1,1-Dichloroethylene 1,1-Dichloroethane 1,2-Trans-Dichloro- ethylene Chloroform 1,2-Dichloroethane 1,1,1-Trichloroethane Carbon Tetrachloride Dichlorobromomethane 1,2-Dichloropropane Trans-1,3-Dichloro- propene Trichloroethylene Benzene Chlorodibromomethane 1,1,2-Trichloroethane Cis-1,3-Dichloropropene 2-Chloroethyl Vinyl Ether Bromoform 1,1,2,2-Tetrachloro-	34423 < 5 34488 34501 34496 34546 32106 32103 34506 32102 32101 34541 34699 39180 34030 34306 34511 34704 34576 32104	дд/1 дд/1 дд/1 дд/1 дд/1 дд/1 дд/1 дд/1	Acetone Methyl Ethyl Ketone Carbon Disulfide Isopropyl Acetate 2-Hexanone Methyl Isobutyl Ketone Styrene O-Xylene P-Xylene M-Xylene Ethyl Acetate n-Propyl Acetate Butyl Acetate Acrolein Acrylonitrile Chloromethane Bromomethane Vinyl Chloride Chloroethane	34210 < 53 34215 < 53 34215 < 53 34418 < 70 34413 39175 34311 V	Units µg/1 µg/1
1,1,2,2-Tetrachloro- ethane Tetrachloroethylene Toluene Chlorobenzene Ethylbenzene	34516 34475 34010 34301 34371	дд/1 дд/1 дд/1 дд/1 дд/1			

U - ANALYZED FOR BUT NOT DETECTED (value reported is detection limit - D.L.)

M - NOT ANALYZED

No other purgeable organic compound detected with an estimated minimum detection limit of

DATE 2-11-17	GEORGIA ENVIRONMENTAL PROTECTION DIVISION PURGEABLE ORGANIC ANALYSIS-WATER	SAMPLE REC'D (date & time)
SOURCE: On-site	DATA REPORTING SHEET	SAMPLE START (date & time): SAMPLE STOP (date & time):
Froundwater W-2	SAMPLE TYPE: Water SAMPLE NO.: #W 2904	CHEMIST: MB COMPLETE:

Compound	Storet#	<u>Units</u>	Compound	Storet#	Units
Methylene Chloride Trichlorofluoromethane 1,1-Dichloroethylene 1,1-Dichloroethane 1,2-Trans-Dichloro- ethylene Chloroform 1,2-Dichloroethane 1,1,1-Trichloroethane Carbon Tetrachloride	34423	дд/1 дд/1 дд/1 дд/1 дд/1 дд/1 дд/1	Acetone Methyl Ethyl Ketone Carbon Disulfide Vinyl Chloride Isopropyl Acetate 2-Hexanone Methyl Isobutyl Ketone Styrene O-Xylene P-Xylene	<500 <500 <500	дд/1 дд/1 дд/1 дд/1 дд/1 дд/1 дд/1 дд/1
Dichlorobromomethane 1,2-Dichloropropane Trans-1,3-Dichloro-	32101 34541	дg/l дg/l	M-Xylene Ethyl Acetate n-Propyl Acetate	<570	μg/l μg/l μg/l
propene Trichloroethylene Benzene Chlorodibromomethane 1,1,2-Trichloroethane	34699 39180 34030 34306 34511	дд/1 дд/1 дд/1 дд/1 дд/1	Butyl Acetate Acrolein Acrylonitrile Chloromethane Bromomethane	34210 < 2000 34215 < 2000 34418 < 500 34413	дg/l дg/l дg/l дg/l
Cis-1,3-Dichloropropene 2-Chloroethyl Vinyl Ether	34704	дg/1 дg/1	Vinyl Chloride Chloroethane	39175	дg/l дg/l дg/l дg/l
Bromoform 1,1,2,2-Tetrachloro- ethane	32104	дg/l дg/l			дg/l дg/l дg/l
Tetrachloroethylene Toluene Chlorobenzene Ethylbenzene	34475 34010 34301 34371 <u>641</u>	дg/l дg/l дg/l дg/l дg/l			дд/1 µд/1 µд/1 µд/1 µд/1

U - ANALYZED FOR BUT NOT DETECTED (value reported is detection limit - D.L.)

M - NOT ANALYZED

No other purgeable organic compound detected with an estimated minimum detection limit of

222	PURGEABLE ORG	ENTAL PROTECTION OF THE STATE O	S-SEDIMENT S.	AMPLE REC'D (date & t AMPLE START (date & t AMPLE STOP (date & ti HEMIST: MB COMPLE	ime):
Compound	Storet#	<u>Units</u>	Compound	Storet#	Units
Methylene Chloride Trichlorofluoromethane 1,1-Dichloroethylene 1,1-Dichloroethane 1,2-Trans-Dichloro-	34491 ~ ! 34504 34499	дg/Kg дg/Kg дg/Kg	Acetone Methy Ehtyl Keton Carbon Disulfide Isopropyl Acetate	< 10 < 10 < 1	_ ид/Кд _ ид/Кд _ ид/Кд _ ид/Кд
ethylene Chloroform 1,2-Dichloroethane 1,1,1-Trichloroethane Carbon Tetrachloride Dichlorobromomethane 1,2-Dichloropropane	34549 34318 34534 34509 34299 34330 34544	ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg	2-Hexanone Methyl Isobutyl Ke Styrene O-Xylene P-Xylene M-Xylene Ethyl Acetate	etone	
Trans-1,3-Dichloro- propene Trichloroethylene Benzene Chlorodibromomethane 1,1,2-Trichloroethane Cis-1,3-Dichloropropene 2-Chloroethyl Vinyl	34697 34487 34237 34309 34514 34702	дg/Kg дg/Kg дg/Kg дg/Kg дg/Kg дg/Kg	N-Propyl Acetate Butyl Acetate Acrolein Acrylonitrile Chloromethane Bromomethane Vinyl Chloride Chloroethane	34213 < 50 34218 < 50 34218 < 50 34421 < 70 34416 34495 34314	

U - ANALYZED FOR BUT NOT DETECTED (value reported is detection limit - D.L.)

µg/Kg

ug/Kg

ug/Kg

µg/Kg

µg/Kg

ug/Kg

Mg/Kg

No other purgeable organic compound detected with an estimated minimum detection limit of

дg/Kg

дg/Kg

μg/Kg

μg/Kg

дg/Kg

дg/Kg

ug/Kg

µg/Kg

Bromoform

Toluene

Chlorobenzene

Ethylbenzene

1,1,2,2-Tetrachloro-

Tetrachloroethylene

Ether

34579

34290

34478

34483

34304

34374

ethane 44519

GEORGIA ENVIRONMENTAL PROTECTION DIVISION PURGEABLE ORGANIC ANALYSIS-SEDIMENT PROJECT: Southeast Terminal SOURCE: SETS-2 Drainese

DATA REPORTING SHEET

SAMPLE TYPE: 50. SAMPLE NO.: HW 2506 SAMPLE REC'D (date & time SAMPLE START (date & time): SAMPLE STOP (date & time):

CHEMIST: MR COMPLETED: ON

Compound	Storet#	<u>Units</u>	Compound	Storet#	Units
Methylene Chloride	34426 < 5	_µg/Kg	Acetone	< 10	_ ug/Kg
Trichlorofluoromethane	34491	_μg/Kg	Methy Ehtyl Ketone	210	_ µg/Kg
1,1-Dichloroethylene	34504	μg/Kg	Carbon Disu fide	<	_ µg/Kg
1,1-Dichloroethane	34499	ug/Kg	ر السريم وهيئ		_ µg/Kg
1,2-Trans-Dichloro-	24540	/**	Isopropyl Acetate		_ µg/Kg
ethylene		дg/Kg	2-Hexanone		ug/Kg
Chloroform	34318	дg/Kg	Methyl Isobutyl Ketone		ug/Kg
1,2-Dichloroethane	34534	дg/Kg	Styrene		_ µg/Kg
1,1,1-Trichloroethane	34509	дg/Kg	O-Xylene		ug/Kg
Carbon Tetrachloride	34299	дg/Kg	P-Xylene		μg/Kg
Dichlorobromomethane	34330	µg/Kg	M-Xÿlene		ug/Kg
1,2-Dichloropropane	34544	дg/Kg	Ethyl Acetate		ug/Kg
Trans-1,3-Dichloro-	24607		N-Propyl Acetate	V	_ug/Kg
propene		ug/Kg	Butyl Acetate	V 34013	_ µg/Kg
Trichloroethylene	34487	дg/Kg	Acrolein	34213 <50	_ug/Kg
Benzene	34237	ug/Kg	Acrylonitrile	34218 <50	_µg/Kg
Chlorodibromomethane	34309 34514	дg/Kg	Chloromethane	34421 < 10	ug/Kg
1,1,2-Trichloroethane		ng/Kg	Bromomethane	34416	ug/Kg
Cis-1,3-Dichloropropene	34702	дg/Kg	Vinyl Chloride	34495	дg/Kg
2-Chloroethyl Vinyl	24570	/77	Chloroethane	34314 V	_µg/Kg
Ether Bromoform	34579 34290	ug/Kg	*	****	ng/Kg
	34290	ug/Kg		FTI	дg/Kg
1,1,2,2-Tetrachloro-	44519	12 or /V or			μg/Kg
ethane	34478	ug/Kg			µg/Kg
Tetrachloroethylene Toluene	34483	ug/Kg			дg/Kg
Chlorobenzene	34304	µg/Kg	,		ug/Kg
Ethylbenzene	34374	ug/Kg			дg/Kg
rective the use the	24214 4	ng/Kg			_µg/Kg

U - ANALYZED FOR BUT NOT DETECTED (value reported is detection limit - D.L.)

No other purgeable organic compound detected with an estimated minimum detection limit of

M - NOT ANALYZED

Ares Sil SAMPLE

DATE: 72-11-87 GEORGIA ENVIRONMENTAL PROTECTION DIVISION PROJECT: Sutherst Terminal PURGEABLE ORGANIC ANALYSIS-SEDIMENT

DATA REPORTING SHEET

Union ail Tank licea SAMPLE TYP

SOURCE: Stil Composite

SAMPLE TYPE: Sample NO.: HJ 2907

SAMPLE REC'D (date & time):

SAMPLE START (date & time):

SAMPLE STOP (date & time):

CHEMIST: MB COMPLETED:

		-	•		
Compound	Storet#	<u>Units</u>	Compound	Storet#	Units
Methylene Chloride	34426 25	µg/Kg	Acetone	<10	дg/Kg
Trichlorofluoromethane	34491 41	µg/Kg	Methy Ehtyl Ketone	<10	ug/Kg
1,1-Dichloroethylene	34504 ,	μg/Kg	Carbon Disulfide	< 1	ug/Kg
1,1-Dichloroethane	34499	ug/Kg	Call Control	1	дg/Kg
1,2-Trans-Dichloro-			Isopropyl Acetate		ug/Kg
ethylene	34549	µg/Kg	2-Hexanone		μg/Kg
Chloroform	34318	μg/Kg	Methyl Isobutyl Ketone		ug/Kg
1,2-Dichloroethane	34534	μg/Kg	Styrene		дg/Kg
1,1,1-Trichloroethane	34509	ug/Kg	O-Xylene		ug/Kg
Carbon Tetrachloride	34299	μg/Kg	P-Xylene		μg/Kg
Dichlorobromomethane	34330	µg/Kg	M-Xylene		ug/Kg
1,2-Dichloropropane	34544	µg/Kg	Ethyl Acetate		ug/Kg
Trans-1,3-Dichloro-	-	• • •	N-Propyl Acetate		ug/Kg
propene	34697	μg/Kg	Butyl Acetate	V	ug/Kg
Trichloroethylene	34487	дg/Kg	Acrolein	34213 <50	дg/Kg
Benzene	34237	ug/Kg	Acrylonitrile	34218 -5-0	дg/Kg
Chlorodibromomethane	34309	μg/Kg	Chloromethane	34421 410	ug/Kg
1,1,2-Trichloroethane	34514	дg/Kg	Bromomethane	34416	ug/Kg
Cis-1,3-Dichloropropene	34702	дg/Kg	Vinyl Chloride	34495	ug/Kg
2-Chloroethyl Vinyl			Chloroethane,	34314	дg/Kg
Ether	34579	дg/Kg			µg/Kg
Bromoform	34290	ug/Kg			дg/Kg
1,1,2,2-Tetrachloro-		-			µg/Kg
ethane	44519	дg/Kg			μg/Kg
Tetrachloroethylene	34478	µg/Kg			дg/Kg
Toluene	34483	дg/Kg			ug/Kg
Chlorobenzene	34304	ug/Kg			дg/Kg
Ethylbenzene	34374	дg/Kg			дıg/Kg
					7

U - ANALYZED FOR BUT NOT DETECTED (value reported is detection limit - D.L.)

No other purgeable organic compound detected with an estimated minimum detection limit of

M - NOT ANALYZED

GEORGIA ENVIRONMENTAL PROTEC PROJECT: Southeast Termina! PURGEABLE ORGANIC ANALYSIS-SEDIMENT SOURCE: Soil Composite

DATA REPORTING SHEET

SAMPLE TYPE: SAMPLE NO .: Hw 2908

SAMPLE SAMPLE SAMPLE	START	(date	&	time)	:	•	
CUPMIC				 			

Compound	Storet#	Units	Compound	Storet#	Units
Methylene Chloride	34426 45	µg/Kg	Acetone	*</td <td>μg/Kg</td>	μg/Kg
Trichlorofluoromethane	34491 </td <td>ug/Kg</td> <td>Methy Ehtyl Ketone</td> <td><10</td> <td>ug/Kg</td>	ug/Kg	Methy Ehtyl Ketone	<10	ug/Kg
1,1-Dichloroethylene	34504	ug/Kg	Carbon Disulfide	4 1	/ug/Kg
1,1-Dichloroethane	34499	ug/Kg	Chico Lad		ug/Kg
1,2-Trans-Dichloro-		-	Isopropyl Acetate		ug/Kg
ethylene		дg/Kg	2-Hexanone		μg/Kg
Chloroform	34318	дg/Kg	Methyl Isobutyl Ketone		ug/Kg
1,2-Dichloroethane	34534	дg/Kg	Styrene		дg/Kg
1,1,1-Trichloroethane	34509	ug/Kg	O-Xylene		дg/Kg
Carbon Tetrachloride	34299	µg/Kg	P-Xylene		_µg/Kg
Dichlorobromomethane	34330	µg/Kg	M-Xylene		дg/Kg
1,2-Dichloropropane	34544	µg/Kg	Ethyl Acetate		дg/Kg
Trans-1,3-Dichloro-		_	N-Propyl Acetate	/	_ug/Kg
propene		,ug/Kg	Butyl Acetate	V	_ug/Kg
Trichloroethylene	34487	μg/Kg	Acrolein	34213 <50	дg/Kg
Benzene	34237	дg/Kg	Acrylonitrile	34218 <50	_µg/Kg
Chlorodibromomethane	34309	дg/Kg	Chloromethane	34421 0</td <td>_µg/Kg</td>	_µg/Kg
1,1,2-Trichloroethane	34514	дg/Kg	Bromomethane	34416	ug/Kg
Cis-1,3-Dichloropropene	34702	дд/Кд	Vinyl Chloride	34495	_ дg/Kg
2-Chloroethyl Vinyl	Į.	_	Chloroethane,	34314 V	_µg/Kg
Ether	34579	дg/Kg			_µg/Kg
Bromoform	34290	ug/Kg			ug/Kg
1,1,2,2-Tetrachloro-					μg/Kg
ethane		ug/Kg			_μg/Kg
Tetrachloroethylene	34478	ug/Kg			дg/Kg
Toluene	34483	дg/Kg			ug/Kg
Chlorobenzene	34304	ug/Kg			_ug/Kg
Ethylbenzene	34374 <u> </u>	дg/Kg			µg/Kg

U - ANALYZED FOR BUT NOT DETECTED (value reported is detection limit - D.L.)

No other purgeable organic compound detected with an estimated minimum detection limit of

M - NOT ANALYZED

GEOLOGY AND GROUND-WATER RESOURCES OF

WALKER COUNTY, GEORGIA

 $\mathbf{B}\mathbf{y}$

Charles W. Cressler U.S. Geological Survey

Ref 3



Prepared in cooperation with the U.S. Geological Survey

DEPARTMENT OF NATURAL RESOURCES
Joe D. Tanner, Commissioner
ENVIRONMENTAL PROTECTION DIVISION
J. Leonard Ledbetter, Director
GEORGIA GEOLOGIC SURVEY
William H. McLemore, State Geologist

Atlanta

1981

Second Edition

(First Edition, 1964)

INFORMATION 29

from less than 1 inch to more than 10 feet thick, and many are interfingered with beds of shale. Unweathered sandstone is gray to cream colored, but where weathered it is red or buff. A few beds of hematite occur.

The shale of the Red Mountain is in beds 0.1 inch to more than 10 inches thick. On fresh exposures it is gray but weathers rapidly to brown or maroon. Much of the shale contains layers and lenses of coarse sand or pebbles, particularly in eastern outcrops.

DEVONIAN AND MISSISSIPPIAN SYSTEM

Chattanooga Shale

The Chattanooga Shale was named for Chattanooga, Tenn., which is situated on a belt of the shale. The Chattanooga is a highly fissile shale, generally black, but brown where weathered. It is about 15 feet thick. The upper part of the Chattanooga is a layer of greenish clay, 1 foot to 2.5 feet thick, that contains phosphatic nodules ranging from 0.5 inch to 2 inches in diameter. This clay probably is the same as the Maury Formation of Tennessee.

The Chattanooga is folded and cleaved, whereas the Red Mountain Formation below and the Fort Payne Chert above are relatively undeformed. The shale is present everywhere between these two formations and is a useful geologic datum.

MISSISSIPPIAN SYSTEM

The Mississippian System of Georgia is composed of two diverse facies of rock of equivalent age. In Lookout and Pigeon Mountains, the Mississippian is almost entirely limestone and chert, except for the Pennington Shale at the top. East of Taylor Ridge all the Mississippian above the Fort Payne Chert is predominantly a shale that has limestone and sandstone members developed to various degrees at different localities. This facies was named the Floyd Shale from exposures in Floyd County, Ga. where it is fully developed.

Western Facies

The western facies of the Mississippian System includes the following members described in ascending order (descriptions taken largely from Butts, 1948).

Fort Payne Chert

The name Fort Payne is taken from Fort Payne, DeKalb County, Ala.

The Fort Payne is 390 feet thick. It is composed mainly of stratified chert and dark compact calcareous shale or argillaceous limestone, named the Lavender Shale Member (Butts, 1948, p. 44). The beds range in thickness from 2 inches to 1 foot and are irregularly furrowed along the bedding faces, causing an uneven contact. Small quartz geodes, 0.25 inch to 2.5 inches in diameter are common, but are more abundant in the lower part of the formation.

St. Louis Limestone

The St. Louis Limestone, named for St. Louis, Mo., is a thick-bedded dark fine-grained cherty limestone. The St. Louis generally is non-oolitic and is 100 feet thick.

Ste. Genevieve Limestone

The Ste. Genevieve Limestone, named from Ste. Genevieve, Mo., is easily distinguished from the St. Louis below by its oolitic and non-cherty character. It is gray to bluish gray, rather thick bedded, and coarsely crystalline and is probably nearly pure calcium carbonate. Its thickness is 100 to 200 feet.

Gasper Limestone

The Gasper Limestone is very similar lithologically to the Ste. Genevieve Limestone and would not be separated except for the fact that in western Kentucky and southern Illinois the two are separated by the Bethel Sandstone. The Gasper is a thick bedded gray rather coarsely crystalline noncherty limestone and is about 150 feet thick.

Golconda Formation

The Golconda consists of shale and interbedded thin platy limestone. Fossil evidence links this zone with limestone named from Golconda, Hardin County, Ill. It is less than 20 feet thick.

Hartselle Sandstone

Five to ten feet of sandstone or sandy limestone that weathers to sandstone, exposed in the northern end of Lookout Mountain, and probably represents the Hartselle Sandstone of Alabama (Butts, 1948, p. 48).

Bangor Limestone (restricted)

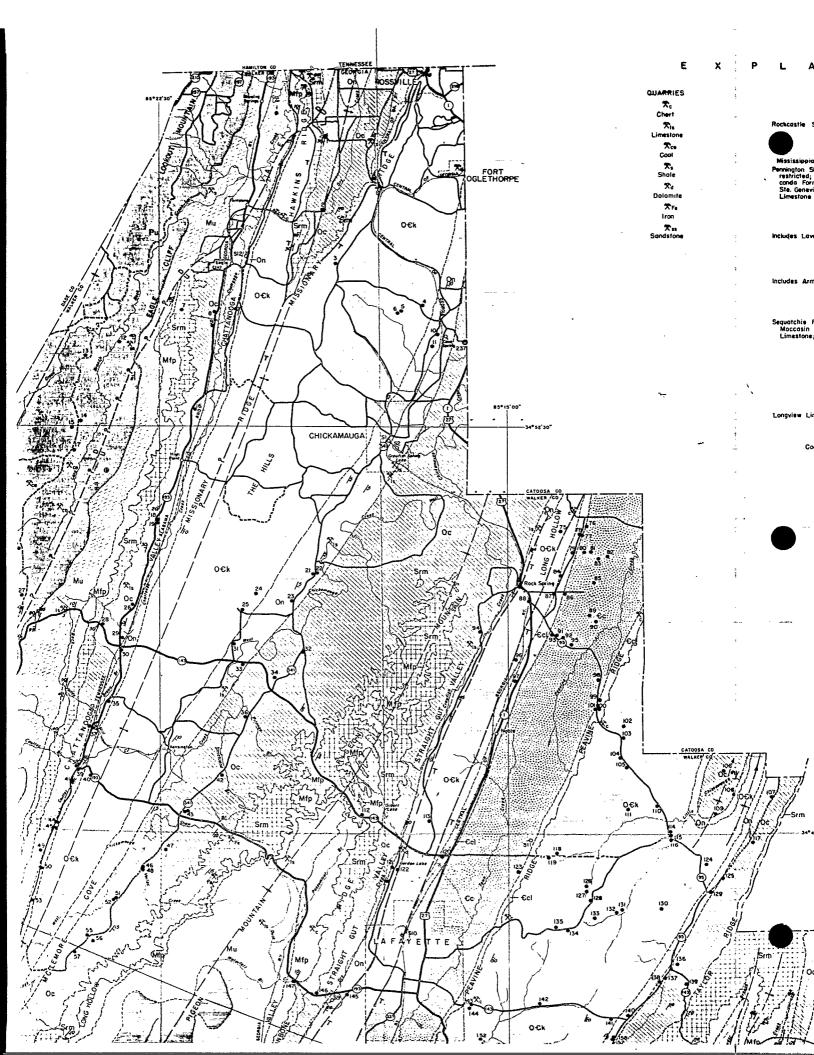
The Bangor is a thick bedded bluish gray coarsely crystalline limestone extending up to the Pennington Shale. It is about 500 feet thick.

Pennington Shale

The Pennington, named from Pennington Gap, Va., is predominantly a gray shale, which weathers yellow and red. The beds of red shale are a distinguishing characteristic. Some beds of sandstone and limestone occur in the formation. The Pennington contains an abundance of marine fossils, mainly bryozoa and brachipoda, which do not occur in the overlying Pennsylvanian rocks. The thickness is about 200 feet.

Eastern Facies

The eastern facies of the Mississippian System includes only the Fort Payne Chert and the Floyd Shale. The Fort Payne Chert is similar in both the eastern and western facies. The Floyd Shale is predominantly a gray to black fossiliferous shale and in many places includes limestone and sandstone units similar to those of the western facies. The eastern facies of the Mississippian System is about 1,500 feet thick.



Georgia Department of Natural Resources

205 Butler Street, S.E., Floyd Towers East, Atlanta, Georgia 30334

J. Leonard Ledbetter, Commissioner Harold F. Reheis, Assistant Director Environmental Protection Division

TRIP REPORT

November 12,1987

Site Name and Location:

Southeast Terminal 5800 St. Elmo Ave. Flintstone, GA 30725

EPA I.D. Number:

GAD981469281

County:

Walker

Trip By:

Charles P. Evans Environmental Specialist Site Inverstigation Program

Accompanied By:

John O. Costello Environmental Specialist Site Investigation Program

Date and Time of Investigation:

November 4, 1987 2:30 p.m. - 5:00 p.m.

November 5, 1987 8:30 a.m. - 2:30 p.m.

Officals Contacted:

Jim Bass Manager, Safety and Environmental Control Southern Division UNOCAL Corporation 13 Corporate Square N.E. P.O. Box 4147 Atlanta, GA 30302 (404) 321-7600

R. E. Van Deusen Manager, Southern Terminal Southern Division UNOCAL Corporation 3805 Presidental Parkway Atlanta, GA 30340 (404) 451-9203

Ken Walton Southeast Terminal 5800 St. Elmo Ave. Flintstone, Ga 30725 (404) 820-0826

ReF 4

David Brown Southeast Terminal 5800 St. Elmo Ave. Flintstone, Ga 30725 (404) 820-0826

Reference:

Trip Report Southeast Terminal Flintstone, GA 30725 October 20, 1987

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Comments:

I sampled the atmosphere in the monitoring wells on-site with an H-NU photoionizer to detect the presence of petroleum constituents in the ground water. I obtained the following results:

Well	Reading
LM-1 LM-2 LM-3 LM-4 LM-5 LM-6 LM-7 LM-8 LM-9 LM-10	26 prm 1 ppm 8.5 ppm 0.5 ppm 28 ppm 140 ppm 280 ppm 1 ppm 140ppm 60 ppm

The readings were highest in well number seven LM-7. Well seven was then bailed dry to prepare it for sampling. This area is reported to be an old rail car loading area. All wells are six inches in diameter with a PVC casing.

Information on the water level was obtained from Terminal personnel. The following readings were obtained on 11/3/87:

		the second of th	
Well	Depth to Water from Top of Casing (ft.)	Casing Height Above Land Surface (ft.)	Depth to Water from Ground Surface (ft.)
 LM-1	7.5	4.45	3.05
LM-2	7.25	4.05	3.21
LM-3	7.08	4.13	2.95
LM-4	5.5	2.71	2.79
LM-5	9.58	4.3	5.28
LM-6	15.42	2.0	13.42
LM-7	16.25	1.58	14.67
LM-8	18.58	3.42	15•16
LM-9	18.57	2.54	15.63
LM-10	14.25	0.25	14.00

I collected the following environmental samples on 11/5/87.

	Sample Code	Location	Type of Sample
	SETS-1	500 feet west and upslope of the site	Background soil sample
	SETS-2	Drainage area of the site	Composite soil
-	SETS-3	Union Oil Co. product storage area	Composite soil
5 	SETS-4	Standard Oil Co. product storage area	Composite soil
	SETW-1	Off-Site well	Ground water
	SETW-2	On-Site monitoring well (LM-7)	Ground water

All soil samples were collected at the surface. The area around the product tank clean-outs and drains was sampled to reflect a worst case condition.

CONCLUSIONS:

Pending laboratory data.

RECOMMENDATIONS AND FOLLOW-UP REQUIRED: Complete HRS ranking of the site.

Photographs:

None

NUMBER OF WASTE/ENVIRONMENTAL SAMPLES TAKEN: Six

REVIEWED BY:

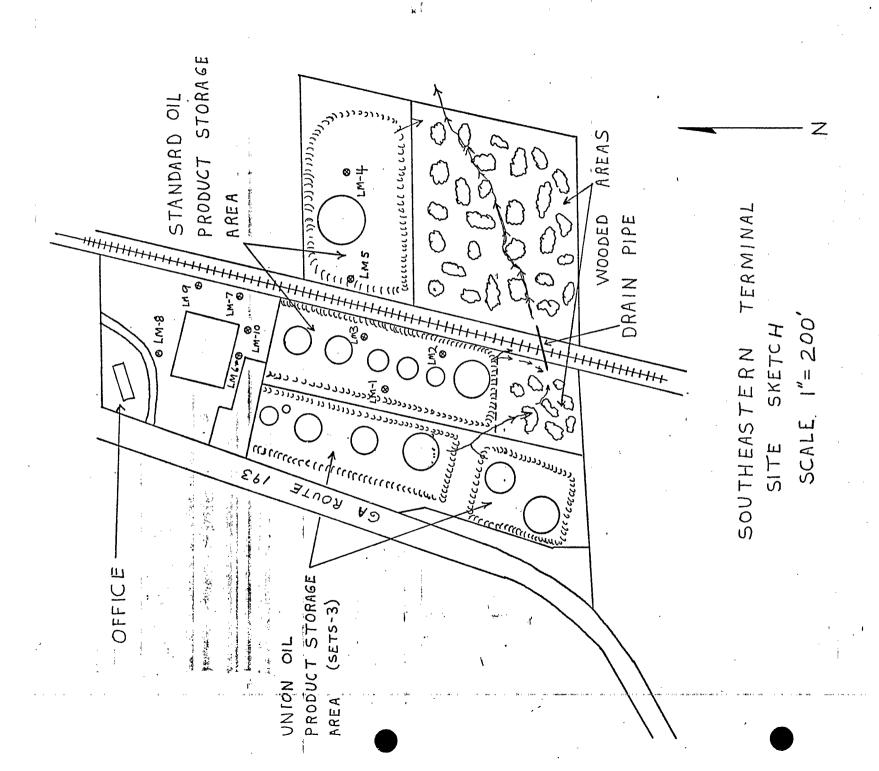
DATE:

ATTACHMENTS:

SITE LOCATION MAP SITE SKETCH

CPE/cpe

cc:Southeast Terminal GAD981469281



TRIP REPORT OCTOBER 20, 1987

SITE NAME AND LOCATION:

Southeast Terminal

EPA ID NUMBER:

GAD981469281

COUNTY:

WALKER

TRIP BY:

Charles P. Evans

Environmental Specialist Site Investigation Program

ACCOMPANIED BY:

None

DAY AND TIME OF INVESTIGATION:

October 14, 1987

8:00 a.m. - 2:00 p.m.

OFFICALS CONTACTED:

Ken Walton

Terminal Manager 5800 St. Elmo Ave.

Flintstone, Georgia 30275

(404) 448-0930

Walter Irwin

Public Health Sanitarian Walker County Health Dept.

1430 Suggs Street

Rossville, Georgia 30726

(404) 866-3122

REFERENCE:

Preliminary Assessment

Southeast Terminal October 8, 1987

COMMENTS:

I conducted a reconnaissance of the site on October 13, 1987 to identify potential sampling points at the facility. I obtained the following information:

- 1. The facility is managed by Union Oil Company of California. However, one section is owned by Standard (Gulf) Oil Company of Ohio and the remainder of the facility is owned by Union Oil Company of Calfornia.
- 2. Spillage and surface run-off water from the truck loading area is collected and sent to the facilities oil-water

separateor.

- 3. Berms surround the product storage area to control run-on water. Rain water falling INSIDE the berms is discharged through valves or pumps to a low area southwest of the facility.
- 4. The product storage tanks at the facility are cleaned, at irregular intervals, of a sludge that accumulates in the tanks. Some loss of this sludge is expected to have occurred in the past.
- 5. Water accumulates inside the product storage tanks. Because of the difference in the density of water and petroleum the water settles to the bottom of the tanks. Routinely excess water is discharge to the surface, within the bermed area, through valves at the bottom of the tanks.
- 6. The water fraction from the oil-water separator is discharged to the surface in the bermed area of the Standard Oil Product Area.
- 7. There is no linner in the berm areas to pevent leaching into the ground water. Due to these two practices some waste is assumed to have been lost at the facility.
- 8. The product storage area is inside a locked fence. Access to the area is controled.
- 9. The monitoring wells have been installed on the facility to detect the presence of free product on the water table.
- I conducted a well survey in the area in order to characterize the use of ground water for drinking purposes. The following information was obtained:
- 10. Few homes within three miles of the site use ground water as a source of drinking water. Five homes that use ground water for their source of drinking water are located within three miles of the site.
- 11. The closest well to the site is located at the home of Mr. J. Polk Smartt, Rt. 1, Box 31, Flintstone, Georgia 30725. This well is a six inch drilled well 365 feet deep.
- 12. Mr. Smartt's well is located 1.38 miles south of the site.

CONCLUSIONS:

Soil around the site may be contaminated with lead additives to the fuels stored there.

RECOMMENDATIONS AND FOLLOW-UP REQUIRED:
Proceed with sampling of the facility.

PHOTOGRAPHS:
None

NUMBER OF WASTE/ENVIRONMENTAL SAMPLES TAKEN:
None

REVIEWED BY:

DATE:

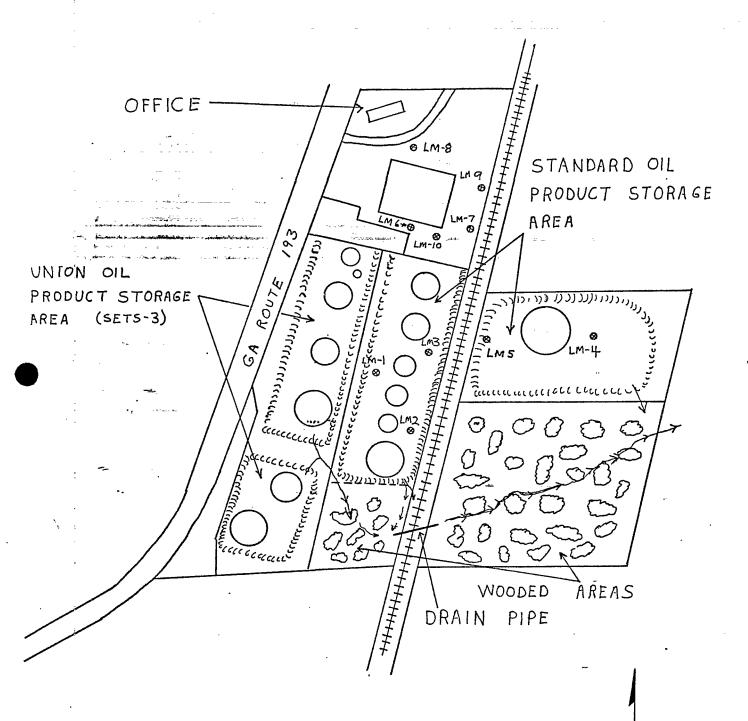
ATTACHMENTS:

SITE LOCATION MAP
SITE SKETCH

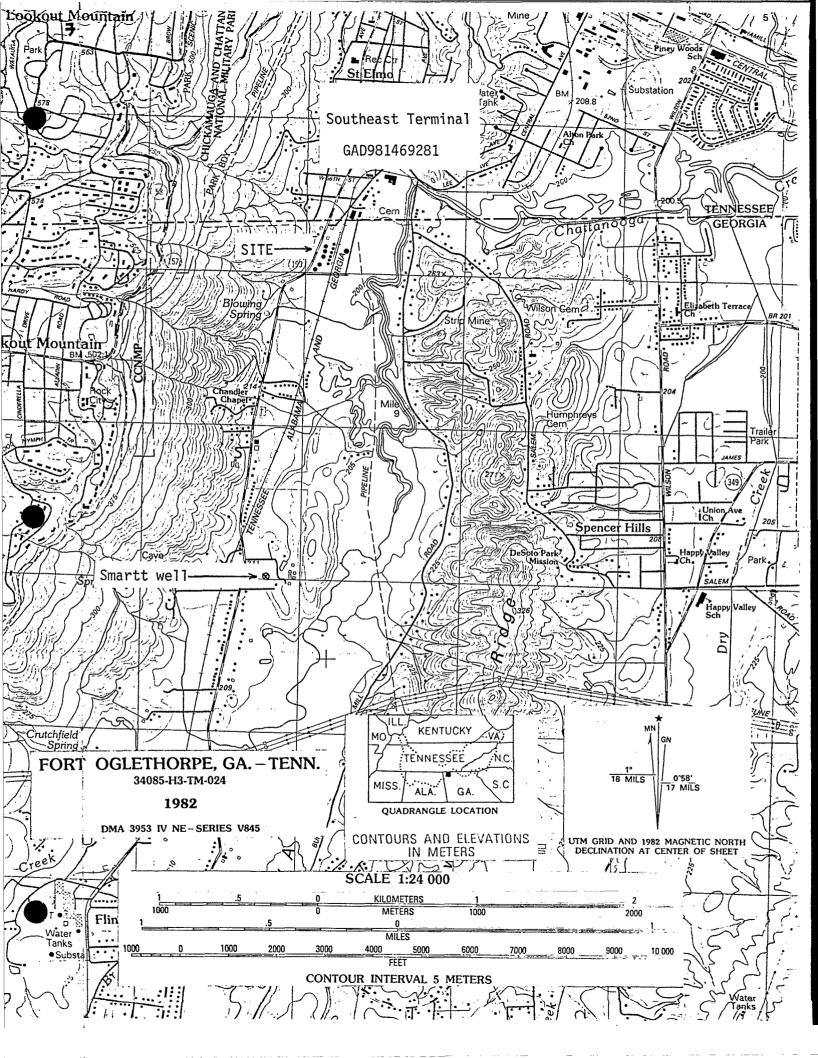
CPE/cpe

CC: Southeast Terminal

GAD981469281



SOUTHEASTERN TERMINAL
SITE SKETCH
SCALE I"= 200'



RECORD OF TELEPHONIC CONVERSATION

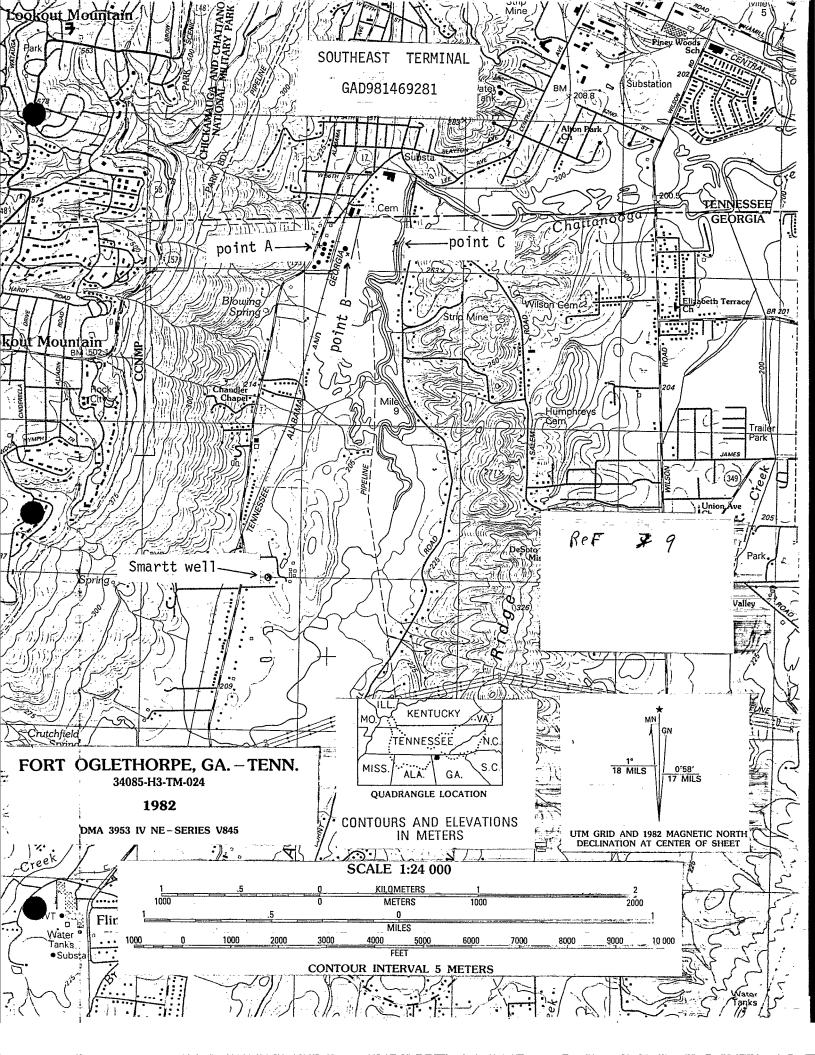
zy Site Investigation Program

Time: 2:00 a.m./p. File: WALKER COUNTY Agency/Company: WALKER COUNTY EXTENSION AGENT Address: PO BOX 827 Telephone Number: 404) 638 - 3892 State/Zip: GA. 30728 Subject: Summary of Call: MR. BUNN SAID THAT There WAS NO IRRIGATION OF CROPLAND IN WALKER COUNTY, Actions Required: None Ref, \$7	Routing:	Date: June 25, 1986
Agency/Company: WALKER COUNTY EXTENSION AGENT Address: PO BOX 827 City: LA FAYETTE Telephone Number: (404) 638 - 3892 State/Zip: GA. 30728 Subject: Summary of Call: MR. BUNN SAID THAT THERE WAS NO IRRIGATION OF CROPLAND IN WALKER COUNTY, Signature: Challe P. Lam. 6/25/86 Follow-up Responses/Additional Comments: NA		Time: 2:00 a-m./p.m.
Agency/Company: WALKEK COUNTY EXTENSION AGENT Address: PO BOX 827 City: LA FAYETTE Telephone Number: (404) 638 - 3892 State/Zip: GA. 30728 ubject: ummary of Call: MR. BUNN SAID THAT THERE WAS NO IRRIGATION OF CROPLAND IN WALKER COUNTY. ctions Required: None Signature: Chalu 1. Jan 6/25/86 Follow-up Responses/Additional Comments: NA	File:	NIALKER COUNTY
Address: 60 Box 827 City: LA FAYETTE Telephone Number: (464) 638 - 3892 State/Zip: GA. 30728 ubject: ummary of Call: MA. BUNN SAID THAT THERE WAS NO IRRIGATION OF CROPLAND IN WALKER COUNTY, ctions Required: None Signature: Challe P. Jam. 6/25/86 Follow-up Responses/Additional Comments: NA	arty Spoken To: MIKE BUNN	
Telephone Number: (404) 638 - 3892 State/Zip: GA. 30728 ubject: ummary of Call: MR. BUNN SAID THAT THORE WAS NO IRRIGATION OF CROPLAND IN WALKER COUNTY, actions Required: None Signature: Challe 1. Can 6/25/86 Follow-up Responses/Additional Comments: NA	Agency/Company: WALKER COUNTY Ex	TENSION AGENT
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INTERPORT OF CROPLAND IN WALKER COUNTY, Actions Required: None Signature: Charle 1. Sam 6/25/86 Follow-up Responses/Additional Comments: NA		State/Zip: <i>GA.</i> 30728
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Signature: Charles 1. Ear. 6/25/86 Sollow-up Responses/Additional Comments: NA		
Follow-up Responses/Additional Comments: NA	ctions kequired: NONE	
Follow-up Responses/Additional Comments: NA		. 1
	Signature: Charles 1. Fam	6/25/86
Fig. 2. Land described in the control of the contro	follow-up Responses/Additional Comments:	NA
Ref, 87		
	ReF. \$ 7	
Signature: Date:	Signature:	And the second s
		. 978

RECORD OF TELEPHONIC CONVERSATION

Site Investigation Program

Routing:	Date: 12/14/87
	Time: /0:55 a.m./p.m.
File:	
Party Spoken To: MICKEY CUMMINGS	Title: Extension AGENT
Agency/Company: DADE COUNTY EXTENSI	ON AGENT
Address: PO BOX 550	City: TRENTON
Telephone Number: (404) 657 - 4116	State/Zip: 6A 30752
Subject: RRIGATION	
Summary of Call:	
MR. CUMMINES did NOT hare	ANY KNOLETGE of
The use of GROUND WAZA FOR	IRRIGATION of
·	of The size.
	,
	•
	:
Actions Required:	-
Signature:	-
Follow-up Responses/Additional Comments:	
ReF. 88	
	Hadden to the second se
Signature:	Date:
SIP-2	9/86

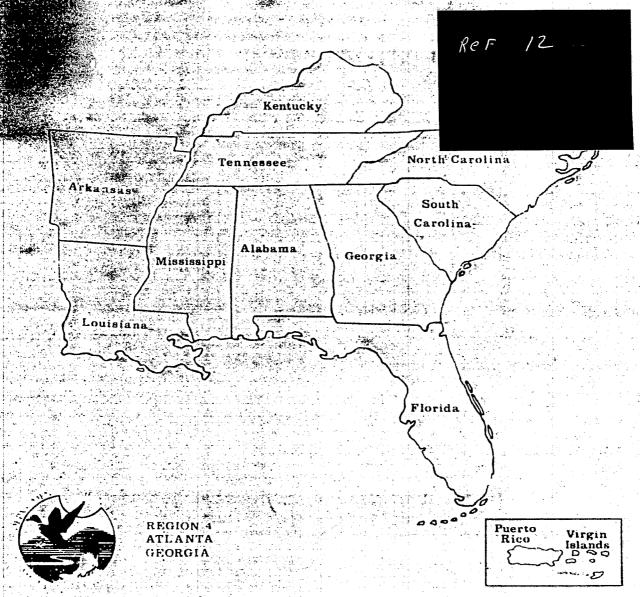


RECORD OF TELEPHONIC CONVERSATION

🚙 Site Investigation Program

Routing:	Date: 12/9/8/
	Time: 11:00 a.m./p-m-
File: SOUTHEAST TERMINAL	- REGIONAL FISHERY
Party Spoken To: Kim PRIMMER	Title: SUPERVISOR
DEPARTMENT OF NATURAL Agency/Company: CAme AND FISH DIVIS	
Address: 1 memory LANE	City: CAL HOUN
Telephone Number: (404) 629 - 1259	State/Zip: <i>GA</i> , 30701
Subject: FISHING ACTIVITY ON CHATTA	INOOGA CREEK IN GEORGIA
Summary of Call: MK. PRIMMER OPINIO	M WAS THAT The
Level OF FISHING WAS LOW OF	N CHATTANOOGA CREEK
due to 175 Size of the 7	TYPE of FISH FOUND IN
This Area.	
-	
	;
Astions Dogwinsda ALONS	
Actions Required: None.	:
	· · · · · · · · · · · · · · · · · · ·
Signature: Charles 1. Cam	12/9/87
Follow-up Responses/Additional Comments:	
	<u>a </u>
ReF # 411	
	and the same of th
Signature:	Date:
· SIP-2	9/86

ENDANCERED AND THREATENED SPECIES OF THE SOUTHEASTERN UNITED STATES





United States Department of the Interior

FISH AND WILDLIFE SERVICE 75 SPRING STREET, S.W. ATLANTA, GEORGIA 30303 August 23, 1985

NOTICE

TO:

All Project Leaders and Cooperators

FROM:

Endangered Species Office, Federal Assistance, FWS, Atlanta, Georgia

SUBJECT:

Changes to the Region 4 Endangered Species Notebook

This update covers the following actions: listing of the Carolina northern flying squirrel in North Carolina and Tennessee as endangered, listing of the Tar River spiny mussel in North Carolina as endangered, listing of five Florida pine rockland plants as endangered, listing of the Miccosukee gooseberry in Florida and South Carolina as endangered, listing of Ruth's golden aster in Tennessee and Vahl's boxwood in Puerto Rico as endangered, listing of the amber darter and Conasauga logperch in Georgia and Tennessee as endangered with critical habitat designated, reclassification of the alligator in Florida to threatened by similarity of appearance, and the proposed listing of two plants (pondberry and Florida golden aster).

REGIONAL LIST: Replace.

STATE LISTS: Replace FL, GA, NC, PR, SC, TN.

CRITICAL HABITAT: Replace index; add amber darter and Conasauga logperch

designations for GA and TN.

PROPOSED RULEMAKING: Replace previous sheet.

Species Accounts: FISHES - Replace index; add accounts for two fishes.

PLANTS - Replace index; add accounts for eight plants.

Attachments

AUG 2 6 1985

RECEIVED

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Federally Listed Species by State

GEORGIA

(E=Endangered; T=Threatened; CH=Critical Habitat determined)

Mamma I s

Bat, gray (Myotis grisescens) - E Bat, Indiana (Myotis sodalis) - E Manatee, Florida (Trichechus manatus) - E Panther, Florida (Felis concolor coryi) - E Whale, right (Eubalaena glacialis) - E Whale, finback (Balaenoptera physalus) - E Whale, humpback (Megaptera novaeangliae) - E Whale, sei (Balaenoptera borealis) - E Whale, sperm (Physeter catodon) - E

General Distribution

Northwest, West
Extreme Northwest
Coastal waters
Entire state
Coastal waters
Coastal waters
Coastal waters
Coastal waters
Coastal waters
Coastal waters

Birds

Eagle, bald (Haliaeetus leucocephalus) - E
Falcon, American peregrine (Falco
peregrinus anatum) - E
Falcon, Arctic peregrine (Falco
peregrinus tundrius) - T
Stork, wood (Mycteria americana) - E
Warbler, Bachman's (Vermivora bachmanii) - E
Warbler, Kirtland's (Dendroica kirtlandii) - E
Woodpecker, ivory-billed (Campephilus
principalis) - E
Woodpecker, red-cockaded (Picoides
(=Dendrocopos) borealis) - E
- · ·

Entire state

North

Coast, Northwest Southeastern swamps Entire state Coast

South, Southwest

Entire state

Reptiles

Alligator, American (Alligator mississippiensis) - E Alligator, American (Alligator mississippiensis) - T

Inland coastal plain
Coastal areas

State Lists

GEORGIA (cont'd)

General Distribution

Snake, eastern indigo (Drymarchon corais couperi) - T

Turtle, Kemp's (Atlantic) ridley (Lepidochelys kempii) - E

Turtle, green (Chelonia mydas) - T

Turtle, hawksbill (Eretmochelys imbricata) - E

Turtle, leatherback (Dermochelys coriacea) - E

Turtle, loggerhead (Caretta caretta) - T

Southeast

Coastal waters Coastal waters

Coastal waters

Coastal waters Coastal waters

Fishes

Darter, amber (Percina antesella) - E,CH
Darter, snail (Percina tanasi) - T
Logperch, Conasauga (Percina jenkinsi) - E,CH
Sturgeon, shortnose (Acipenser
brevirostrum) - E

Conasauga R., Murray County S. Chickamauga Cr., Catoosa County Conasauga R., Murray County

Coastal rivers

Plants

Florida torreya (Torreya taxifolia) - E
Green pitcher plant (Sarracenia
oreophila) - E
Hairy rattleweed (Baptisia
arachnifera) - E
Persistent trillium (Trillium
persistens) - E

Decatur County

Towns County

Wayne, Brantley Counties

Tallulah-Tugaloo River system, Rabun and Habersham Counties

Union 76 Division: tern Region Union Oil Company of California 13 Corporate Square, N.E. P.O. Box 4147, Allania, Telephone (404) 321-7600R E C T 11/F D P.O. Box 4147, Atlanta, Georgia 30302

96

DEC 12 1985

Atlanta, Georgia December 9, 1985 ENVIRON

LAND I WILLIAM BRANCH

Mr. Jack Dempsey Georgia Department of Natural Resources Hazardous Waste Management Program Environmental Protection Division Generator Compliance Unit 270 Washington Street, S.W. Atlanta, Georgia 30334

RE: Southeast Terminals - EPA I.D. Numbers

Dear Mr. Dempsey:

W.E. Herchline

Division Distribution Manager, Atlanta

Wish to refer you to Ms. Gail Mueller's (B.P. Oil Company, Inc.) letter to your department dated November 25, 1985, concerning the subject terminals which are joint owned by Union Oil Company of California and B.P. Oil, Inc.

As you noted, we have a Tennessee E.P.A. I.D. number for our Southeast Terminal located at Lookout Mountain, Georgia. This terminal has a Tennessee mailing address, but is located physically in Georgia.

We are attaching our Notification of Hazardous Waste Activity form and request that a Georgia E.P.A. I.D. number be issued.

Your assistance in this matter is appreciated.

Very truly yours,

.C. Mills C. Mills

Environmental Supervisor

FCM:ea

cc: Gail Mueller - B.P. Oil, Inc.

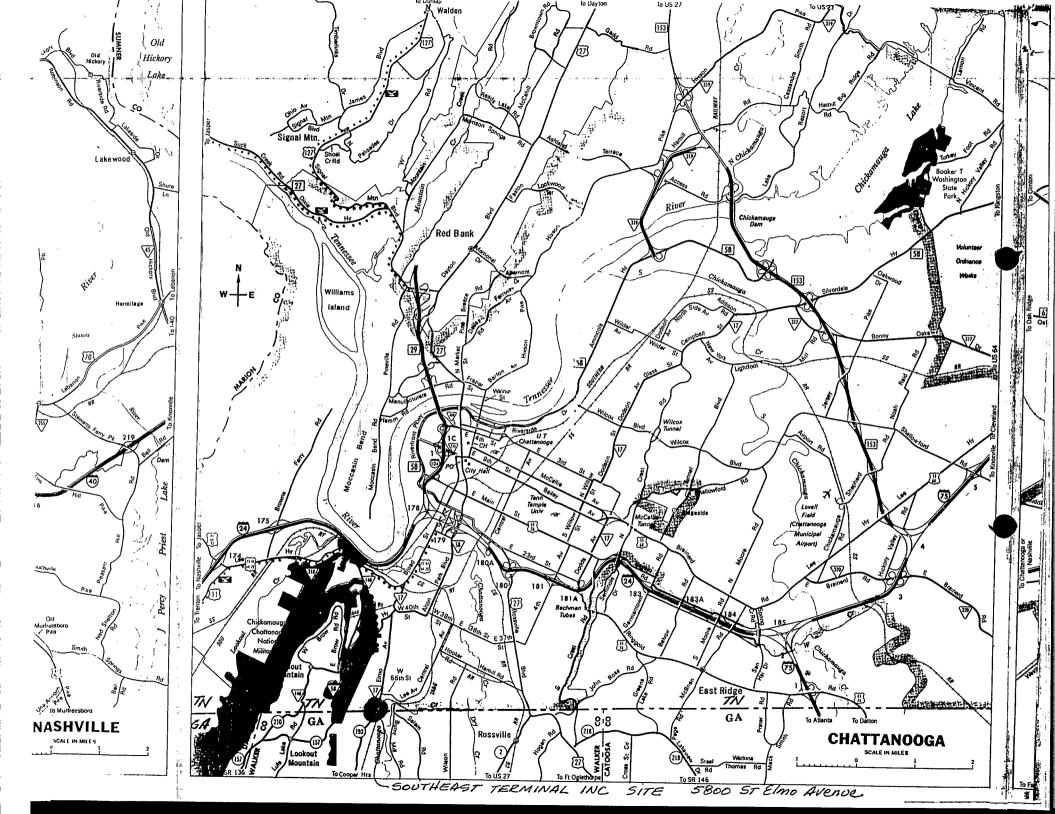
E. H. Jensen - w/attachment

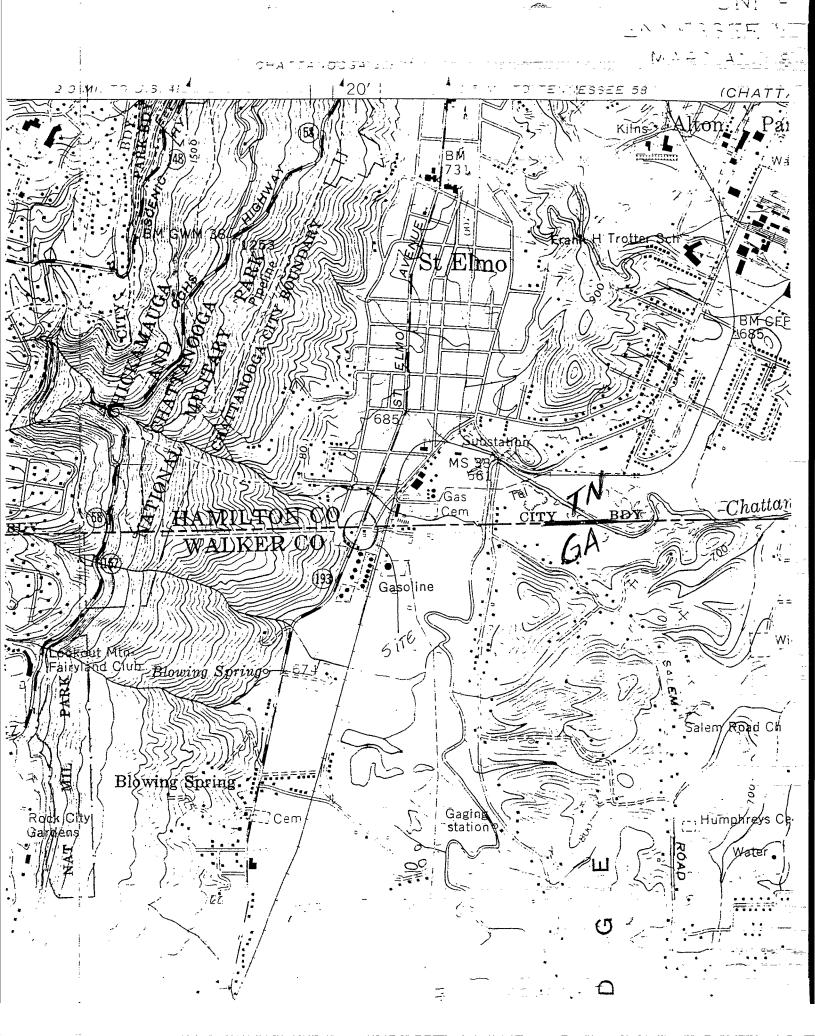
R. E. Van Deusen

SITE DISCOVERY FORM

Part 1: Information necessary to add a site to CERCLIS

EPA ID: SITE NAME: SOUTHEAST Terminal Inc	
SITE NAME: SOUTHEAST Terminal Inc	
	SOURCE: R=EPA, T=STAT
STREET: 5800 ST. ELMO AVENUE GA. SR. 193	CONG DIST: (optional)
CITY: Flingtone	ZIP: 30725 _
CNTY NAME: WALKER	CNTY CODE: (optional)
LATITUDE: 59 / 60 LONGITUDE:	85 /20 / 00 (optional)
INVENTORY IND: Y REMEDIAL IND: Y REMOV	•
RPM NAME: MARIO E VILLAMARZO RPM PHON	NE: 404 -347 -2234 (EPA Project Office
SITE DESCRIPTION: (optional)	٠
FACILITY straddles Georgia/Teni	nessee state line,
the site of CERCLA concern is	on the Georgia
pertion of the Southeast Termi	
	on access these states these states where where where plants became which shall began before bottom.
: :	
Part 2: Other site informati	ion
DATE SITE FIRST	
	BY:
REPORTED:/ REPORTED	data data data pang data bang data data data data data data data dat
REPORTED:/_ REPORTED REASON FOR LISTING:	
REPORTED:/_ REPORTED REASON FOR LISTING: SITE WAS REFERRED TO EPA 24 by	the State of Tennessee
REPORTED: / REPORTED REASON FOR LISTING: SITE WAS REFERRED TO EPA 24 by	the State of Tennessee
REPORTED: / REPORTED REASON FOR LISTING: SITE WAS REFERRED TO EPA 24 by	the State of Tennessee
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REPORTED: REPORTED REASON FOR LISTING: SITE WAS REFERRED TO EPARY by because the site was on the Georganist therefore out of their jurisdictions.	the State of Tennessee rgia portion of the property tion.
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PRELIMINARY ASSESSMENT COVER SH SOUTHEAST TERMINAL GAD981469281

I. History of The Site

Southeast Terminal is located Off Georgia route 193, Flintstone, Georgia in Walker County. However, facility's mailing address is 5800 St. Elmo Chattanooga, Tennessee. The site has been owned and operated by Union Oil Company and Gulf Oil Corperation since 1941. This facility is a bulk petroleum storage and distribution terminal. Petroleum products are shipped to the facility by pipeline and distributed via tanker truck. Surface run-off from the facility's loading area drains into an oil-water separator where light oils that collect on the <u>su</u>rface transfered into an underground storage tank. The light oils on the surface of this tank are pumped into the regular gasoline storage tank. Surface run-on is prevented from entering the product storage area by dikes. Precipitation falling inside the diked areas is discharged to a wooded area southeast of the facility through drains or pumps. Water accumulates inside the petroleum storage -- tanks. Because of the difference in density of water and the petroleum product water settles to the pottum_of the storage tanks. Periodically the water is drawn off by discharging it through valves at the bottom of the training The water, termed ed to the "water draw" by termins" surface within the dises. ine racility is currently classified as a generator of hazardous waste. Gulf Oil's assets in the terminal were acquired by Chevron and later BP Oil Company of Ohio. The terminal is operated by Union Oil Company of California.

II. Nature of Hazardous Materials

The hazardous wastes generated are leaded and unleaded tank bottom sludges. Various hydrocarbons including benzene, xylene, and toluene are expected to be constituents of the sludge.

III. Description of Hazardous Conditions, Incidents, Permit Violations

According to Mr. F. C. Mills, Environmental Supervisor of Union Oil Company of California, to his knoledge their have been no spills at the facility. Tank bottom sludges were disposed on-site at similar sites operated by Union Oil Company of California. This practice is expected to

also have occured on this site in the past.

IV. Routes of Contamination

Contaminants in the soil may leach and enter the ground water.

V. Possible Affected Population and Resources

The population within one mile of the site is 347; within two miles is 1388; and within three miles is 3,123.

VI. Recommendations and Justifications

Because of the possible contamination of ground water and the potential for use of ground water as a source for drinking water in the area, the site is assessed a "medium" priority for a site inspection.

- VII. References to Supporting Data Sources
 - 1. Union Oil Company of California, Notification of Hazardous Waste Activity, Southeastern Terminal, 5800 St. Elmo Avenue, Chattanooga, Tennessee.
 - Z. Mills, Fred C., Environmental Supervisor, Union Oil Cpmpany of California, 13 Corperate Square N.E. Atlanta, Georgia 30302, Record of Telephonic Conversation with Charles P. Evans, Georgia Environmental Protection Division, September 21, 1987.
 - 3. United States Geological Survey, Fort Oglethorpe, GA-TENN. quadrangle, scale 1:24,000, 1982.

SEPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

I. IDENTIFICATION
O1 STATE O2 SITE NUMBER
GA 10981469 28 1

PART 1 - SITE IN	FORMATI	ON AN	D ASSESSI	MENT	[6R][181467 281	
II. SITE NAME AND LOCATION		***************************************					
01 SITE NAME (Legal, common, or descriptive name of site)			, ROUTE NO., C	RSPEC	IFIC LOCATION IDENTIFIER		
SOUTHEAST TERMINAL		5800 ST. ELMO AVE / GA SR 193					
03 CITY '	1	1	05 ZIP CODE	1		07 COUNTY 08 CONG CODE DIST	
FLINTSTONE		GA	37409	W	IALKER	295 7	
09 COORDINATES LATITUDE LONGITUDE 3 4° 5 8 55 4" 0 85° 3 0' 0 0	<u>.o"</u>						
10 DIRECTIONS TO SITE (Starting from nearest public road) THF SIT	E IS L	OCAT	64 ON	57A	Te ROUTE 193		
SOUTH OF THE TENNESSEE - GEOR	GIA S	TATE	LINC	٥٨	THE WEST SI	De of	
GA STATE ROUTE 193.							
III. RESPONSIBLE PARTIES							
OI OWNER (II KNOWN) UNION OIL COMPANY OF	1		(Business, malling				
CALIFORNIA / BP OIL COMPANY				Te	SQ. NE (PO	BOX 4147)	
O3 CITY '	0	4 STATE	05 ZIP CODE		06 TELEPHONE NUMBER		
ATLANTA		GA	30302	-	(404) 321-7600		
07 OPERATOR (If known and different from owner)	O	8 STREE	(Business, mailing	, residen	tial)		
SAME AS AbovE	1						
09 CITY	1	0 STATE	11 ZIP CODE	- 1	12 TELEPHONE NUMBER		
13 TYPE OF OWNERSHIP (Check one)				اا			
A. PRIVATE. D B. FEDERAL:	cy name)		_ □ C. ST.	ATE	□D.COUNTY □ E. MU	NICIPAL	
Π F. OTHER•			_ G. UN	KNOW	N	<i>'</i>	
(Specify) 14 OWNER/OPERATOR NOTIFICATION ON FILE (Check ## that apply)							
☐ A. RCRA 3001 DATE RECEIVED: / / / ☐ B. UN	CONTROLLE	D WAST	E SITE (CERCLA	103 c)	DATE RECEIVED:/_	L MC. NONE	
IV. CHARACTERIZATION OF POTENTIAL HAZARD					MONTH D.	AY YEAR	
01 ON SITE INSPECTION BY (Check all that app	Nut			<u> </u>			
DIVER DATE / A. EPA	☐ B. EPA			Ē c . s	STATE D. OTHER	CONTRACTOR	
NO MONTH DAY YEAR E. LOCAL HE	ALTH OFFIC	IAL C	F. OTHER:		(Specify)		
CONTRACTOR	NAME(S):						
	RS OF OPERAT	1941	1 00	es e	AIT		
A. ACTIVE B. INACTIVE C. UNKNOWN		GINNING YE		ING YEAR		N	
O4 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEC SLUDGES CONTAINING LEAD	UNG /	VARI	ous in	1401	ROCARBONS		
MAY HAVE been DEPOSITED	ON	THE	SITE.				
			. 15		_		
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPUL	LATION						
RESIDENTS OF THE AREA MAY		G	ROUNE	WA	Ten As The	IL	
SOURCE of DRINKING WATER.							
V. PRIORITY ASSESSMENT				·····			
01 PRIOR'TY FOR INSPECTION (Check one. If high or medium is checked, complete Par	t 2 - Waste Inform	ation and Pa	rt 3 - Description of	Hazardoi	us Conditions and Incidents)		
☐ A. HIGH ☐ B. MEDIUM 💢 C.			D D. N	ONE	ction needed, complete current dispo	Ettion form)	
VI. INFORMATION AVAILABLE FROM							
	Agency Organizat	ion) UN	110N 010	С	OMPANY	03 TELEPHONE NUMBER	
F. C. MILLS			CALIFO		Ä	1404) 321-7600	
04 PERSON RESPONSIBLE FOR ASSESSMENT 05 AGE	NCY	06 ORG	ANIZATION		07 TELEPHONE NUMBER	OB DATE	
CHARLES P. EVANS DA	J R	Ef	PD		(404) 656-7404	10 , 9 , 87	

\$	E	PΚ
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POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE | 02 SITE NUMBER

GA | D 9 8 1 4 6 9 2 8 1

		0.0111.01.07501		INFORMATION			
	TATES, QUANTITIES, AN	D CHARACTERIS 02 WASTE QUANTIL		OR WASTE CHARACTE	DISTICC		
LI A. SOLID LI E. SLURRY D. B. POWDER FINES LI G. GAS CUBIC YARDS UM (Measures of we must be note that the must be note to be powder fines LI G. GAS CUBIC YARDS UM		waste quantires ndependenti	O3 WASTE CHARACTERISTICS (Check at that apply) A. TOXIC B. SOLUBLE J. HIGHLY VOLATILE J. EXPLOSIVE J. C. RADIOACTIVE J. F. INFECTIOUS J. EXPLOSIVE J. K. REACTIVE J. L. INCOMPATIBLE J. M. NOT APPLICABLE			VE /E ATIBLE	
LJ D. OTHER			LI M, NOT APPL				
III. WASTE T	YPE		· · · · · · · · · · · · · · · · · · ·	* * * * * * * * * * * * * * * * * * * 			
CATEGORY	SUBSTANCE N	AME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMÊNTS		
SLU	SLUDGE						
OLW	OILY WASTE						
SOL	SOLVENTS						
PSD	PESTICIDES						
occ	OTHER ORGANIC CH	HEMICALS	UNKNOWN	N/A	N/A		
IOC	INORGANIC CHEMIC	ALS		·			
ACD	ACIDS						-
BAS	BASES						
MES	HEAVY METALS		UNKNOWN	NA	NA		
	OUS SUBSTANCES (SA	ppendix for most frequent					
01 CATEGORY	02 SUBSTANCE N	IAME	03 CAS NUMBER	04 STORAGE/DISF	POSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
٥٥٥	UNKNOWN	<u></u>	999	UNKNOWN	· · · · · · · · · · · · · · · · · · ·	UNKNOWN	NA
MES	LEND		999	UNKNOWN	<i>'</i>	UNKNOWN	NA
							
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						<u> </u>	<u> </u>
V. FEEDST	CKS (See Appendix for CAS Numb	oers)				****	
CATEGORY	01 FEEDSTO	CK NAME	02 CAS NUMBER	CATEGORY	01 FEEDST	OCK NAME	02 CAS NUMBER
FDS			<u> </u>	FDS			
FDS				FDS			
FDS	1			FDS			
FDS			<u> </u>	FDS			
VI. SOURCE	S OF INFORMATION (CIL	e specific references, e.g.	, state files, sample analysis	reports)			
GA GA	EPD , SITE D981469281 ,	CHATTAI	IGNTION P NOOGN, T	ROGKAM FIL N	Le " South	EAST TERY	ningl

SEPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

I. IDENTIFICATION

O1 STATE O2 SITE NUMBER

GA D 98146928 |

PART 3" DESCRIPTION OF IT	AZARDOUS CONDITIONS AND I	MOIDER 13	<u> </u>	81969281
II. HAZARDOUS CONDITIONS AND INCIDENTS				
01 C A. GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED:	02 OBSERVED (DATE:)	Ø POTENTIAL	□ ALLEGED
CONTAMINATION OF GROUND WAT	EK IN THE VICINITY	OF T	HE SITE	15
POSSIBLE FROM PAST WASTE	MANAGEMENT PRAC	TICES .	•	
	•			
01 □ B. SURFACE WATER CONTAMINATION	02 OBSERVED (DATE:)	POTENTIAL	ALLEGED
03 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION			
	•			
N/A				
01 C. CONTAMINATION OF AIR	02 🖸 OBSERVED (DATE:)	☐ POTENTIAL	☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION		23,0,2,,,,,,	
N/A	00 E) 000E0150 10475			51,44,5050
01 D. FIRE/EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED:	02 OBSERVED (DATE:)	☐ POTENTIAL	☐ ALLEGED
	•			
	·			
N/A				
01 E. DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED:	02 (1) OBSERVED (DATE: 04 NARRATIVE DESCRIPTION	}	☐ POTENTIAL	□ ALLEGED
		_		نيو.
N'/A				
01 ロ F. CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED: UNKNOWN	02 OBSERVED (DATE: 04 NARRATIVE DESCRIPTION	<u>ٿَڌ) </u>	POTENTIAL	☐ ALLEGED
	NT OF The SITE			
·				1
CONTAMINATED FROM PAST WAS	Te MANAGEMENT.			
CONTAMINATES FROM PAST WAS	STE MANAGEMENT.			
2455	02 CJ OBSERVED (DATE:)	X POTENTIAL	□ ALLEGED
01 G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: 38		DRINKI	X POTENTIAL	
01 [] G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: 38	02 (I) OBSERVED (DATE: 04 NARRATIVE DESCRIPTION AS A SOURCE OF) DRINKI		
01 G DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: GROUND WATER MAY be used Some Homes in the Area of	02 CI OBSERVED (DATE: 04 NARRATIVE DESCRIPTION AS A SOURCE OF The SITE.) ORINKI	NG WATER	FOR
01 G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: 38 GROUND WATER MAY be used	02 CI OBSERVED (DATE: 04 NARRATIVE DESCRIPTION AS A SOURCE OF) ORINKI)		
01 G DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: 38 GROUND WATER MAY be used Some Homes in the Area of	02 [] OBSERVED (DATE: 04 NARRATIVE DESCRIPTION AS A SOURCE OF THE SITE.)))	NG WATER	FOR
01 G DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: 38 GROUND WATER MAY be used Some Homes in the Area of	02 [] OBSERVED (DATE: 04 NARRATIVE DESCRIPTION AS A SOURCE OF THE SITE. 02 [] OBSERVED (DATE:) ORINKI)	NG WATER	FOR
01 G DRINKING WATER CONTAMINATION 38 03 POPULATION POTENTIALLY AFFECTED: 38 GROUND WATER MAY be used some Homes in the Area of 01 D H. WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED:	02 [] OBSERVED (DATE: 04 NARRATIVE DESCRIPTION AS A SOURCE OF THE SITE. 02 [] OBSERVED (DATE:)))	NG WATER	FOR
01 G DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: GROUND WATER MAY be used Some Homes in the Area of 01 D H. Worker exposure/injury 03 WORKERS POTENTIALLY AFFECTED: N/A 01 L) I POPULATION EXPOSURE/INJURY	02 [] OBSERVED (DATE: 04 NARRATIVE DESCRIPTION AS A SOURCE OF 7A SITE 02 OBSERVED (DATE: 04 NARRATIVE DESCRIPTION)))	NG WATER	FOR
01 G DRINKING WATER CONTAMINATION 38 03 POPULATION POTENTIALLY AFFECTED: 38 GROUND WATER MAY be used some Homes in the Area of 01 D H. WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED:	02 (I OBSERVED (DATE: D4 NARRATIVE DESCRIPTION AS A SOURCE OF THE SITE 02 (DOBSERVED (DATE: 04 NARRATIVE DESCRIPTION		NG WATEK	For Alleged
01 G DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: GROUND WATER MAY be used Some Homes in the Area of 01 D H. Worker exposure/injury 03 WORKERS POTENTIALLY AFFECTED: N/A 01 L) I POPULATION EXPOSURE/INJURY	02 [] OBSERVED (DATE: 04 NARRATIVE DESCRIPTION AS A SOURCE OF 7A SITE 02 OBSERVED (DATE: 04 NARRATIVE DESCRIPTION		NG WATEK	For Alleged
01 G DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: GROUND WATER MAY be used Some Homes in the Area of 01 D H. Worker exposure/injury 03 WORKERS POTENTIALLY AFFECTED: N/A 01 L) I POPULATION EXPOSURE/INJURY	02 [] OBSERVED (DATE: 04 NARRATIVE DESCRIPTION AS A SOURCE OF 7A SITE 02 OBSERVED (DATE: 04 NARRATIVE DESCRIPTION		NG WATEK	For Alleged

EPA FORM 2070-12(7-81)

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POTENTIAL HAZARDOUS WASTE SITE

PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

	IDENT							
01 G	STATE	02 SIT	8 /	UMBI 46	ER 9	ュ	8	1

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)		
01 [] J. DAMAGE TO FLORA	02 OBSERVED (DATE:)	☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION	UZ [] OBSERVED (DATE	D POTENTIAL D ADDIGED
1.		
N/A		
01 ☐ K. DAMAGE TO FAUNA	02 OBSERVED (DATE:)	□ POTENTIAL □ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)	•	
	•	
/^		•
N/A		
01 ☐ L. CONTAMINATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION	02 C OBSERVED (DATE:)	☐ POTENTIAL ☐ ALLEGED
:		
i I		
N/A		
		☐ POTENTIAL ☐ ALLEGED
01 ☐ M. UNSTABLE CONTAINMENT OF WASTES (Spik's runoff, standing liquids/leaking drums)	02 OBSERVED (DATE:)	□ POTENTIAL □ ALLEGED
03 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION	
N/A:		
01 D N. DAMAGE TO OFFSITE PROPERTY	02 OBSERVED (DATE:)	☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION		
A1 / A		
N/A _.		
01 □ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 04 NARRATIVE DESCRIPTION	02 OBSERVED (DATE:)	D POTENTIAL D ALLEGED
U4 NARRATIVE DESCRIPTION		
	٠.	**
N/A	and the second s	•
01 D. ILLEGAL/UNAUTHORIZED DUMPING	02 🗆 OBSERVED (DATE:	□ POTENTIAL □ ALLEGED
04 NARRATIVE DESCRIPTION	UZ LI ODOLITYLO (DATE.	LIFUICITING LINGUED
	•	
	_	
N/A	<u> </u>	·
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLE	GED HAZARDS	
•	- · ·	•
	. 4.	·
-1/2		·
N//]	2/7 2 -1 - 17 00	7 10 7
III. TOTAL POPULATION POTENTIALLY AFFECTED: 1 M	1 = 347 , 2 m1 = 1388	3m1 = 3/23
IV. COMMENTS		
NONE		
V COURCES OF INFORMATION IN		-
V. SOURCES OF INFORMATION (Cite specific references, e.g., state files		
GA EPD , SITE INVESTIGATION	• • • • • • • • • • • • • • • • • • • •	' SOUTHEAS T
TERMINAL GAD981469281, CA	ATTANOSGA, TN	
	,	

RECORD OF TELEPHONIC CONVERSATION Site Investigation Program

Routing:	Date: 9/21/87
	Time: 11:00 a.m./p.m.
File: SOUTHEASTERN TERMINAL Party Spoken To: FRED. C. MILIS	ENVIRON MENTAL Title: SUPERVISOR
Agency/Company: UNION OIL COMPANY O	OF CALORINIA CALIFORNIA
Address: 13 CORPORATE SQUARE N.E.	
Telephone Number: (404) 321 - 7600	State/Zip: <i>GA</i> 30302
Subject: PRELIMINARY ASSESS MENT OF SUPERFUND Summary of Call:	
	PAST WASTE MANAGEMENT
PRACTICES OF The FACILITY WITH	
RELAYED The FOLLOWING INFORMAT	
1. PETROLEUM PRODUCTS ARE Shift	ed to the SITE
VIA PIPELINE AND DISTRIBUTED TO	OTHER LOCATIONS.
2. Fuels Handeled AT The FACILITY	included Lended
GASOLINE.	OVER
Actions Required:	
Signature:	
Follow-up Responses/Additional Comments:	
**************************************	en de la composition de la composition
Signature:	Date:
SIP-2	9/86

ARE CLEANEL A 600 7 S-10 YEARS. 51NCe STORAGE TANKS OPERATION About Curry 3 6 215 09 been 716 445 FRom AS Necded SLU d Ge FACILITY A S 1461 <u>-</u>2 . S.

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WASTE OF ANY of how The との人 Th. PAST KnoledGe 3 MILLS hAN NO FACILITY. d15 Pose 4 AT The W15 S. mR. SLUZGE SPILLS

べ RUN - OFF WATER SURFACE RUN-OFF FROM OIL - WATER SEPARATOR TANK 70 N/C STORAGE 2147 TNNK . . FRACTLON OF The ~ UNGER GROWN SUAPACE 70 5 LICHT OILS ON THE SUK NORMALLY TRANSFERED mills 3 ACCORDING TO MA. NF collected Pe TROLEUM GASOLINT. 0 7N1 LICAT, OILS FACILITY IS fumpe k Recorna 71017 ARC _2 -|-

308 MR. MILLS The FACILITY 15 4121200 2 GenthA Ton K 2 **P** SLA SSIFIED 7. ACCORDING

SITE 13 OPERATED Company 016 DOIND 77 COMPANY. ownred by CALIFORNIA . YJLNIOF 710 6 8 COMPANY 2 AND The FACILITY 710 CALIFORNIA 20120

A.

STATE OF GEORGIA OR DEPARTMENT OF NATURAL RESOURCES GEORGIA GEOLOGIC SURVEY 3954 III SE (CHATTANOOGA 105-SE) 20' : I. ITI WE Strip Con 18.5112.1 **ACHATTANOOG** SOUTHEAST TERMINAL Strip Mine kout Moun GAD981469281 Substation 208.8 TENNESSEE GEORGIA Humphreys Cem 349 KENTUCKY TENNESSEE FORT OGLETHORPE, GA. - TENN. Spring 34085-H3-TM-024 QUADRANGLE LOCATION 1982 CONTOURS AND ELEVATIONS Py Valley IN METERS DMA 3953 IV NE-SERIES V845 SCALE 1:24 000 KILOMETERS 1000 METERS 2000 Crutchfield MILES 5000 FEET Şprinğ 🚜 7000 10 000 2000 **CONTOUR INTERVAL 5 METERS** NATIONAL GEODETIC VERTICAL DATUM OF 1929 CONTROL ELEVATIONS SHOWN TO THE NEAREST 0.1 METER OTHER ELEVATIONS SHOWN TO THE NEAREST METER

SEPA NOTIFICATION PHAZARDOUS WASTE ACTIVITY	NETRUCTIONS: If you received a preprinted
TION'S EPA	label, affix it in the space at left; if any of the information on the label is incorrect, draw a line through it, and supply the correct information in the appropriate section below: If the label is
RECEIVED	below blank. If you did not receive a presumed
IL MAILING PLEASE PLACE LABEL IN THIS SPACE	lebel, complete all lowe. "Installation" means a single sits where hezardous weste is generated, trested, stored shid/or disposed of, or a trans-
DEC 1 2 1985	porter's principal place of business, Please refer to the INSTRUCTIONS FOR FILING NOTIFI- CATION before completing this form. The
LICATION III DI INSTAL	information requested herein is required by law (Section 2010 of the Resource Conservation and
FOR OFFICIAL USE ONLY	Recovery Acti.
COMMENTS	
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ESIAD 981469 281 111	
NAME OF INSTALLATION	
SOUTHEAST TERMINAL	1
II: INSTALLATION MAILING ADDRESS	LANCE OF CONTROL OF CO
5 8 0 0 ST ELMO AVENUE	☐ WAIKEY
CITY OR TOWN ST. ZI	P CODE
T C H A T T A N O O G A T N 3 7	409
HE LOCATION OF INSTALLATION	NAME OF THE PERSON OF THE PERS
SISTATE ROUTE 193	
3.131.32	**
WALKER COUNTY GA	
IV. INSTALLATION CONTACT.	
JENSEN E HITERMINAL MANAGER	4 0 4 8 2 0 0 8 2 6
Y OWNERSHED	
UNION OIL COMPANY - BP OIL IN	IC
VI. TYPE OF HAZARDOUS WASTE ACTIVITY	#
A. GENERATION DE	TRANSFORTATION (complete from VII)
M - NON-FEDERAL C. TREAT/STORE/DISPOSE: Q.	UNDERGROUND INJECTIONS
VIL MODE OF TRANSPORTATION (transporters only - enter "X" in the appropriate [] A. ARR: [] B. RALL. [] C. HIGHWAY [] D. WAYER [] C. OTHE	box(es))
VIIL FIRST OR SUBSEQUENT NOTIFICATION	-
Mark." It's in the appropriate box to indicate whether this is your installation's first notification of hat this is your first notification, arter your installation's EPA I.D. Number in the space provided to	zerdous weste activity or a subsequent notification.
	C. Installation's EPA LD, NG.
A. PIRET ROTIFICATION B SUMMEDIATION (COMplete lie	-c
DK, DESCRIPTION OF HAZARDOUS WASTES Please go to the reverse of this form and provide the requested information.	
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Union 76 Division: tern Region

Union Oil Company of California 13 Corporate Square, N.E. P.O. Box 4147, August, Telephone (404) 321-7600R E C F 1 1/F D P.O. Box 4147, Atlanta, Georgia 30302

DEC 12 1985

Atlanta, Georgia December 9, 1985 ENVIRON.

LAND I WIE CTION BRANCH

Mr. Jack Dempsey Georgia Department of Natural Resources Hazardous Waste Management Program Environmental Protection Division Generator Compliance Unit 270 Washington Street, S.W. Atlanta, Georgia 30334

RE: Southeast Terminals - EPA I.D. Numbers

Dear Mr. Dempsey:

W.E. Herchline

Division Distribution Manager, Atlanta

Wish to refer you to Ms. Gail Mueller's (B.P. Oil Company, Inc.) letter to your department dated November 25, 1985, concerning the subject terminals which are joint owned by Union Oil Company of California and B.P. 0il, Inc.

As you noted, we have a Tennessee E.P.A. I.D. number for our Southeast Terminal located at Lookout Mountain, Georgia. This terminal has a Tennessee mailing address, but is located physically in Georgia.

We are attaching our Notification of Hazardous Waste Activity form and request that a Georgia E.P.A. I.D. number be issued.

Your assistance in this matter is appreciated.

Very truly yours,

Environmental Supervisor

FCM:ea

cc: Gail Mueller - B.P. Oil, Inc.

E. H. Jensen - w/attachment

R. E. Van Deusen